

|                                                                                           | Liquid SCIg                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                |                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                  | Lyophilized                                                                                                                                                                                                                                                                                                   |
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|                                                                                           | Cutaquig                                                                                                                                                                                                                                                                                                                                                                                          | Cuvitru                                                                                                                                                                                                                                                                                                 | Gammagard Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Gammaked                                                                                                                                                                                                                                           | Gamunex-C                                                                                                                                                                                                                                      | Hizentra                                                                                                                                                                                   | HyQvia                                                                                                                                                                                                                                                                                                                            | Xembify                                                                                                          | Gammagard S/D                                                                                                                                                                                                                                                                                                 |
| Manufacturer                                                                              | Pfizer                                                                                                                                                                                                                                                                                                                                                                                            | Takeda                                                                                                                                                                                                                                                                                                  | Takeda                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Kedrion                                                                                                                                                                                                                                            | Grifols                                                                                                                                                                                                                                        | CSL Behring                                                                                                                                                                                | Takeda                                                                                                                                                                                                                                                                                                                            | Grifols                                                                                                          | Takeda                                                                                                                                                                                                                                                                                                        |
| Clinical Contact                                                                          | 1-888-429-4535                                                                                                                                                                                                                                                                                                                                                                                    | 1-877-825-3327                                                                                                                                                                                                                                                                                          | 1-877-825-3327                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1-855-353-7466                                                                                                                                                                                                                                     | 1-800-520-2807                                                                                                                                                                                                                                 | 1-800-504-5434                                                                                                                                                                             | 1-877-825-3327                                                                                                                                                                                                                                                                                                                    | 1-800-520-2807                                                                                                   | 1-877-825-3327                                                                                                                                                                                                                                                                                                |
| Labeled Uses                                                                              | PIDD in pts ≥ 2 y/o                                                                                                                                                                                                                                                                                                                                                                               | PIDD in pts ≥ 2 y/o                                                                                                                                                                                                                                                                                     | PIDD in pts ≥ 2 y/o                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIDD in pts ≥ 2 y/o                                                                                                                                                                                                                                | PIDD in pts ≥ 2 y/o                                                                                                                                                                                                                            | PIDD in pts ≥ 2 y/o, CIDP in adults                                                                                                                                                        | PIDD in pts ≥ 2 y/o CIDP in adults                                                                                                                                                                                                                                                                                                | PIDD in pts ≥ 2 y/o                                                                                              | PIDD in pts ≥ 2 y/o and adults, ITP in adults, CLL, Kawasaki Syndrome in pediatric patients                                                                                                                                                                                                                   |
| Vial Sizes                                                                                | 1 g, 2 g, 4 g, 8 g                                                                                                                                                                                                                                                                                                                                                                                | 1 g, 2 g, 4 g, 8 g, 10 g                                                                                                                                                                                                                                                                                | 1 g, 2.5 g, 5 g, 10 g, 20 g, 30 g                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 g, 2.5 g, 5 g, 10 g, 20 g                                                                                                                                                                                                                        | 1 g, 2.5 g, 5 g, 10 g, 20 g, 40 g                                                                                                                                                                                                              | Prefilled syringes: 1 g, 2 g, 4 g, 10 g<br>Vials: 1 g, 2 g, 4 g, 10 g                                                                                                                      | 2.5 g/200 U, 5 g/400 U, 10 g/800 U, 20 g/1,600 U, 30 g/2,400 U                                                                                                                                                                                                                                                                    | 1 g, 2 g, 4 g, 10 g                                                                                              | 5 g, 10 g                                                                                                                                                                                                                                                                                                     |
| Diluent                                                                                   | N/A                                                                                                                                                                                                                                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                | N/A                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                        | N/A                                                                                                                                                                                                                                                                                                                               | N/A                                                                                                              | <ul style="list-style-type: none"><li>Sterile water</li><li>96 mL for 5 gm 5%</li><li>192 mL for 10 gm 5%</li></ul>                                                                                                                                                                                           |
| Concentration                                                                             | 16.5%                                                                                                                                                                                                                                                                                                                                                                                             | 20%                                                                                                                                                                                                                                                                                                     | 10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10%                                                                                                                                                                                                                                                | 10%                                                                                                                                                                                                                                            | 20%                                                                                                                                                                                        | 10%                                                                                                                                                                                                                                                                                                                               | 20%                                                                                                              | <ul style="list-style-type: none"><li>5%</li><li>10%: Use half diluent supplied</li></ul>                                                                                                                                                                                                                     |
| Dose Conversion Factor                                                                    | 1.3                                                                                                                                                                                                                                                                                                                                                                                               | 1.3                                                                                                                                                                                                                                                                                                     | 1.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.37                                                                                                                                                                                                                                               | 1.37                                                                                                                                                                                                                                           | PIDD: 1.37, CIDP: 0.2g/kg per week initial                                                                                                                                                 | None                                                                                                                                                                                                                                                                                                                              | 1.37                                                                                                             |                                                                                                                                                                                                                                                                                                               |
| Infusion Rate<br>(*Refer to package insert for renally-compromised or high-risk patients) | <b>Adults ≥17 years:</b> Infusions 1–2: ≤20 mL/hr/site. Subsequent Infusions: Gradually increase as tolerated by approximately 10 mL/hr/site every 2–4 weeks up to a maximum of 52 mL/hr/site.<br><br><b>Age 2–16 years:</b> Infusions 1–2: ≤15 mL/hr/site. Subsequent Infusions: Gradually increase as tolerated by approximately 10 mL/hr/site every 2–4 weeks up to a maximum of 25mL/hr/site. | May administer in up to 4 sites simultaneously.<br><br><b>First 2 infusions:</b> <40 kg administer ≤20 mL/site at rate of 10–20 mL/hr/site ≥40 kg administer ≤60 mL/site at rate of 10–20 mL/hr/site<br><br><b>Subsequent infusions (all weights):</b> Administer ≤60 mL/site at rate of ≤60 mL/hr/site | <b>40 kg BW and greater:</b> First infusion 30 mL/ site at a rate of 20 mL/hr/site. Subsequent doses may be increased to 30 mL/site at a rate of 20–30 mL/hr/site. Maximum flow rate not to exceed 240 mL/hr for all sites combined.<br><br><b>Under 40 kg BW:</b> First infusion 20 mL/site at a rate of 15 mL/hr/site. Subsequent doses may be increased to 20 mL/site at a rate of 15–20 mL/hr/site. Maximum flow rate not to exceed 160 mL/hr for all sites combined. | <b>Adults:</b> 20 mL/hr/site (max of 8 infusion sites)<br><br><b>Pediatric:</b> Initial infusion rate: <25 kg 10 mL/hr/site, ≥25 kg 15 mL/hr/site. Maintenance infusion rate: <25 kg 10 mL/hr/site, ≥25 kg 20 mL/hr/site (max of 6 infusion sites) | <b>Adults:</b> 20 mL/hr/site (max of 8 infusion sites)<br><br><b>Pediatric:</b> Initial infusion rate: <25 kg 10mL/hr/site, ≥25 kg 15mL/hr/site. Maintenance infusion rate: <25 kg 10mL/hr/site, ≥25 kg 20mL/hr/site (max of 6 infusion sites) | <b>PIDD:</b> First infusion ≤15 mL/hr/site. Subsequent doses ≤25 mL/hr/site as tolerated.<br><br><b>CIDP:</b> First infusion ≤20 mL/hr/site. Subsequent doses ≤50 mL/hr/site as tolerated. | Refer to package insert; Initial and max rate is based on weight and number of infusions received. Infusion rates may be increased every 5–15 mins as tolerated. Initial rate range: 5–10 mL/hr/ site. Max rate: 300 mL/hr/site.                                                                                                  | May administer up to 6 infusion sites simultaneously at a maximum rate of 25 mL/hr/site                          | <ul style="list-style-type: none"><li>5%: 0.5 mL/kg/hr and may increase gradually to a maximum of 4 mL/kg/hr if no adverse reaction*</li><li>High-risk patients: Maximum rate of 4 mL/kg/hr at 5%*</li><li>May use 10% (if 5% tolerated)* at 0.5 mL/kg/hr and may increase gradually to 8 mL/kg/hr*</li></ul> |
| Sugar Content                                                                             | 79mg/mL maltose <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                      | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                     | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sugar free; stabilized with glycine                                                                                                                                                                                                                | Sugar free; stabilized with glycine                                                                                                                                                                                                            | Sugar free; stabilized with L-proline                                                                                                                                                      | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                                               | Sugar free; stabilized with glycine                                                                              | 2% glucose                                                                                                                                                                                                                                                                                                    |
| Sodium Content                                                                            | ≤30mmol/L                                                                                                                                                                                                                                                                                                                                                                                         | N/A                                                                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Trace amounts                                                                                                                                                                                                                                      | Trace amounts                                                                                                                                                                                                                                  | Trace amounts                                                                                                                                                                              | N/A                                                                                                                                                                                                                                                                                                                               | Trace amounts                                                                                                    | 0.85% with 5%                                                                                                                                                                                                                                                                                                 |
| Osmolality/Osmolarity                                                                     | 310–380 mOsm/kg                                                                                                                                                                                                                                                                                                                                                                                   | 280–292 mOsm/kg                                                                                                                                                                                                                                                                                         | 240–300 mOsm/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 258 mOsm/kg                                                                                                                                                                                                                                        | 258 mOsm/kg                                                                                                                                                                                                                                    | 380 mOsm/kg                                                                                                                                                                                | 240–300 mOsm/kg                                                                                                                                                                                                                                                                                                                   | 280–404 mOsm/kg                                                                                                  | 5%: 636 mOsm/kg                                                                                                                                                                                                                                                                                               |
| pH                                                                                        | 5.0–5.5                                                                                                                                                                                                                                                                                                                                                                                           | 4.6–5.1                                                                                                                                                                                                                                                                                                 | 4.6–5.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4–4.5                                                                                                                                                                                                                                              | 4–4.5                                                                                                                                                                                                                                          | 4.6–5.2                                                                                                                                                                                    | 4.6–5.1                                                                                                                                                                                                                                                                                                                           | 4.1–4.8                                                                                                          | 6.8 ±0.4 (after reconstitution)                                                                                                                                                                                                                                                                               |
| IgA Content                                                                               | 206 mcg/mL                                                                                                                                                                                                                                                                                                                                                                                        | 80 mcg/mL                                                                                                                                                                                                                                                                                               | 37 mcg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 46 mcg/mL                                                                                                                                                                                                                                          | 46 mcg/mL                                                                                                                                                                                                                                      | <50 mcg/mL                                                                                                                                                                                 | 37 mcg/mL                                                                                                                                                                                                                                                                                                                         | <70 mcg/mL                                                                                                       | <1 mcg/mL                                                                                                                                                                                                                                                                                                     |
| % IgG                                                                                     | ≥96%                                                                                                                                                                                                                                                                                                                                                                                              | ≥98%                                                                                                                                                                                                                                                                                                    | >98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | >98%                                                                                                                                                                                                                                               | >98%                                                                                                                                                                                                                                           | ≥98%                                                                                                                                                                                       | >98%                                                                                                                                                                                                                                                                                                                              | >98%                                                                                                             | >90%                                                                                                                                                                                                                                                                                                          |
| Latex Content                                                                             | Latex free                                                                                                                                                                                                                                                                                                                                                                                        | Latex free                                                                                                                                                                                                                                                                                              | Latex free                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Latex free                                                                                                                                                                                                                                         | Latex free                                                                                                                                                                                                                                     | Latex free                                                                                                                                                                                 | Latex free                                                                                                                                                                                                                                                                                                                        | Latex free                                                                                                       | Packaging contains latex                                                                                                                                                                                                                                                                                      |
| Method of Production and Viral Inactivation/Removal Process                               | Cold ethanol, pH 4.0 incubation, SD                                                                                                                                                                                                                                                                                                                                                               | Cold ethanol fractionation, cation and anion exchange chromatography, solvent/detergent (S/D) treatment, 35 nm nanofiltration, low pH incubation at elevated temperature                                                                                                                                | Cold ethanol fractionation, 35 nm nanofiltration, chromatography, low pH incubation, solvent/detergent treatment                                                                                                                                                                                                                                                                                                                                                          | Depth filtration, cold ethanol fractionation, chromatography, low pH treatment, caprylate precipitation                                                                                                                                            | Depth filtration, cold ethanol fractionation, chromatography, low pH treatment, caprylate precipitation                                                                                                                                        | Depth filtration, cold alcohol fractionation, octanoic acid fractionation, chromatography, pH4 incubation, 20 nm nanofiltration                                                            | Cold ethanol fractionation, S/D treatment, 35 nm nanofiltration, low pH incubation                                                                                                                                                                                                                                                | Cold ethanol fractionation, caprylate precipitation and filtration, and anion-exchange chromatography            | Cold ethanol fractionation, ultrafiltration, chromatography, solvent/detergent treatment                                                                                                                                                                                                                      |
| Filtration                                                                                | No filter required                                                                                                                                                                                                                                                                                                                                                                                | No filter required                                                                                                                                                                                                                                                                                      | In-line filter optional                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No filter required                                                                                                                                                                                                                                 | No filter required                                                                                                                                                                                                                             | No filter required                                                                                                                                                                         | No filter required                                                                                                                                                                                                                                                                                                                | No filter required                                                                                               | Filter required                                                                                                                                                                                                                                                                                               |
| Flushing Compatibility                                                                    | N/A                                                                                                                                                                                                                                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                     | Saline or dextrose                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Saline or dextrose; Do not dilute with saline                                                                                                                                                                                                      | Saline or dextrose; Do not dilute with saline                                                                                                                                                                                                  | N/A                                                                                                                                                                                        | Saline                                                                                                                                                                                                                                                                                                                            | Dextrose if needed                                                                                               | Saline or dextrose                                                                                                                                                                                                                                                                                            |
| Storage Requirements                                                                      | Store at +2°C to +8°C (36°F to 46°F) for up to 36 months from the date of manufacture. Do not use beyond the expiration date. Do not freeze. May be stored at room temp (≤25°C, 77°F) for up to 9 months without being refrigerated again during this period, and must be discarded if not used after this.                                                                                       | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                   | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                              | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                          | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                      | <ul style="list-style-type: none"><li>Room temperature</li><li>Do not freeze</li><li>Protect from light</li></ul>                                                                                                                                                                                                                 | <ul style="list-style-type: none"><li>Refrigerate</li><li>Do not freeze</li></ul>                                | <ul style="list-style-type: none"><li>Room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                                        |
| Shelf Life                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                   | 36 months refrigerated at 2°C–8°C (36°F–46°F), or up to 24 months at room temperature up to 25°C or 77°F. Do not return Cuvitru to refrigerator if you take it out to room temperature.                                                                                                                 | 36 months refrigerated at 2°C–8°C (36°F–46°F), or 24 months at room temp (≤25°C, 77°F)                                                                                                                                                                                                                                                                                                                                                                                    | 36 months refrigerated at 2°C– 8°C (36°F–46°F), or 6 months at room temp (≤25°C, 77°F) any time during the 36 months                                                                                                                               | 36 months refrigerated at 2°C– 8°C (36°F–46°F), or 6 months at room temp (≤25°C, 77°F) any time during the 36 months                                                                                                                           | 30 months when stored at room temperature as stable indicated by the expiration date on label. Preservative-free                                                                           | 36 months from date of manufacture refrigerated at 2°C– 8°C (36°F–46°F ). Room temperature for up to 3 months during the first 24 months from the date of manufacturing printed on the carton. Hyqvia must be used within 3 months after storing at room temperature but within the expiration date on the carton and vial label. | May be stored at temperatures not to exceed 25°C (77°F) for up to 6 months any time prior to the expiration date | Store at a temperature not to exceed 25°C (77°F) for up to 24 months, preservative free                                                                                                                                                                                                                       |



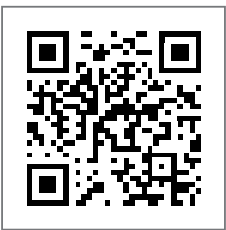
# Immunoglobulin Comparison Chart

Contact us today to learn how we can help support your Ig therapy patients.

Phone: 1-855-552-2015  
Fax: 1-855-592-6889

## Glossary

- CIDP ..... Chronic inflammatory demyelinating polyneuropathy
- CLL ..... Chronic lymphocytic leukemia
- Ig ..... Immunoglobulin
- IgA ..... Immunoglobulin A
- IgG ..... Immunoglobulin G
- ITP ..... Immune thrombocytopenic purpura
- IV ..... Intravenous
- IVIg ..... Intravenous Immunoglobulin
- MMN..... Multifocal motor neuropathy
- NaCl..... Sodium chloride; saline
- PIDD ..... Primary immunodeficiency disease
- pH ..... Potential of hydrogen
- SCIg ..... Subcutaneous immunoglobulin



Visit [cvs.co/ig-comparison](https://cvs.co/ig-comparison) or scan the QR code to view electronically. For easy access, you can bookmark this page.

|                                                                                                        | Liquid IVIg                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                     |                                                                                                                   |
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|                                                                                                        | Alyglo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Asceniv                                                                                                                                                                                                                                                               | Bivigam                                                                                                                                                                                                                                      | Gammagard Liquid                                                                                                                                                                                                                                                                                         | Gammaked                                                                                                                                                                                                                                                                                            | Gammaplex                                                                                                                                                                                                                                                                                                  | Gamunex-C                                                                                                                                                                                                                                                                                           | Octagam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Panzyga                                                                                                                                                                                                                                                                                                                                                                                                         | Privigen                                                                                                                                                                                                                                                                                            |                                                                                                                   |
| Manufacturer                                                                                           | GC Biopharma                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ADMA                                                                                                                                                                                                                                                                  | ADMA                                                                                                                                                                                                                                         | Takeda                                                                                                                                                                                                                                                                                                   | Kedrion                                                                                                                                                                                                                                                                                             | Kedrion                                                                                                                                                                                                                                                                                                    | Grifols                                                                                                                                                                                                                                                                                             | Octapharma/Pfizer                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pfizer                                                                                                                                                                                                                                                                                                                                                                                                          | CSL Behring                                                                                                                                                                                                                                                                                         |                                                                                                                   |
| Clinical Contact                                                                                       | 1-833-426-6426                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1-800-458-4244                                                                                                                                                                                                                                                        | 1-800-458-4244                                                                                                                                                                                                                               | 1-877-825-3327                                                                                                                                                                                                                                                                                           | 1-855-353-7466                                                                                                                                                                                                                                                                                      | 1-866-398-0825                                                                                                                                                                                                                                                                                             | 1-800-520-2807                                                                                                                                                                                                                                                                                      | 1-888-429-4535 (Octapharma)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1-888-429-4535                                                                                                                                                                                                                                                                                                                                                                                                  | 1-800-504-5434                                                                                                                                                                                                                                                                                      |                                                                                                                   |
| Labeled Uses                                                                                           | PIDD in adults                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIDD in adults and adolescents 12–17 years of age                                                                                                                                                                                                                     | PIDD in pts ≥2 y/o                                                                                                                                                                                                                           | PIDD in pts ≥2 y/o, MMN in adults<br>CIDP in adults                                                                                                                                                                                                                                                      | CIDP in adults, PIDD in pts ≥2 y/o, ITP in adults and children                                                                                                                                                                                                                                      | PIDD in pts ≥2 y/o, ITP                                                                                                                                                                                                                                                                                    | CIDP in adults, PIDD in pts ≥2 y/o, ITP in adults and children                                                                                                                                                                                                                                      | 5%: PIDD<br>10%: ITP in adults, DM in adults                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIDD in pts ≥2 y/o , ITP in adults, CIDP in adults                                                                                                                                                                                                                                                                                                                                                              | PIDD, ITP in patients ≥15 y/o, CIDP in adults                                                                                                                                                                                                                                                       |                                                                                                                   |
| Dosing Sizes                                                                                           | 5 g, 10 g, 20 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5 g                                                                                                                                                                                                                                                                   | 5 g, 10 g                                                                                                                                                                                                                                    | 1 g, 2.5 g, 5 g, 10 g, 20 g, 30 g                                                                                                                                                                                                                                                                        | 1 g, 2.5 g, 5 g, 10 g, 20 g                                                                                                                                                                                                                                                                         | • 5%: 5 g, 10 g, 20 g<br>• 10%: 5 g, 10 g, 20 g                                                                                                                                                                                                                                                            | 1 g, 2.5 g, 5 g, 10 g, 20 g                                                                                                                                                                                                                                                                         | • 5%: 1 g, 2.5 g, 5 g, 10 g, 25 g<br>• 10%: 2 g, 5 g, 10 g, 20 g, 30 g                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 g, 2.5 g, 5 g, 10 g, 20 g, 30 g                                                                                                                                                                                                                                                                                                                                                                               | 5 g, 10 g, 20 g, 40 g                                                                                                                                                                                                                                                                               |                                                                                                                   |
| Concentration                                                                                          | 10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10%                                                                                                                                                                                                                                                                   | 10%                                                                                                                                                                                                                                          | 10%                                                                                                                                                                                                                                                                                                      | 10%                                                                                                                                                                                                                                                                                                 | 5%, 10%                                                                                                                                                                                                                                                                                                    | 10%                                                                                                                                                                                                                                                                                                 | 5%, 10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10%                                                                                                                                                                                                                                                                                                                                                                                                             | 10%                                                                                                                                                                                                                                                                                                 |                                                                                                                   |
| Infusion Rate<br><small>*Refer to package insert for renally-compromised or high-risk patients</small> | <ul style="list-style-type: none"><li>Initial Infusion Rate 1st Infusion: 1 mg/kg/min (0.01mL/kg/min)</li><li>Maintenance Infusion Rate 1st Infusion: Double the infusion rate every 30 minutes (if tolerated) up to 8 mg/kg/min (0.08 mL/kg/min)</li><li>Initial Infusion Rate from 2nd Infusion: 2 mg/kg/min (0.02mL/kg/min)</li><li>Maintenance Infusion Rate from 2nd Infusion: Double the infusion rate every 15 minutes (if tolerated) up to 8 mg/kg/min (0.08mL/kg/min)</li></ul> | <ul style="list-style-type: none"><li>Initial Infusion Rate: 0.5 mg/ kg/min (0.005mL/kg/min) for the first 15 minutes</li><li>Maintenance Infusion Rate (if tolerated) Increase gradually every 15 minutes (if tolerated) up to 8 mg/kg/min (0.08mL/kg/min)</li></ul> | <ul style="list-style-type: none"><li>Initial Infusion Rate: 0.5 mg/ kg/min for the first 10 minutes</li><li>Maintenance Infusion Rate (if tolerated): Increase every 20 minutes (if tolerated) by 0.8 mg/kg/min up to 6 mg/kg/min</li></ul> | <ul style="list-style-type: none"><li>PIDD: 0.5 mL/kg/hr; rate can be increased every 30 min to a rate of 5 mL/kg/hr as tolerated*</li><li>MMN: 0.5mL/kg/hr, rate can be increased to 5.4mL/kg/hr as tolerated</li><li>CIDP: 0.5mL/kg/hr, rate may be increased if tolerated up to 5.4mL/kg/hr</li></ul> | <ul style="list-style-type: none"><li>PIDD and ITP: 0.01 mL/kg/min for 30 min; can be gradually increased to a maximum of 0.08 mL/kg/min if no adverse reaction*</li><li>CIDP: 0.02mL/kg/min for 20 min; can be gradually increased to a maximum of 0.08mL/kg/min if no adverse reaction*</li></ul> | <ul style="list-style-type: none"><li>5%: 0.5 mg/kg/min (0.01mL/kg/min) for the first 15 min; if tolerated, gradually increase to 4 mg/kg/min (0.08mL/kg/min)*</li><li>10%: 0.5 mg/kg/min (0.01mL/kg/min) for the first 15 min; if tolerated, gradually increase to 8 mg/kg/min (0.08mL/kg/min)*</li></ul> | <ul style="list-style-type: none"><li>PIDD and ITP: 0.01 mL/kg/min for 30 min; can be gradually increased to a maximum of 0.08 mL/kg/min if no adverse reaction*</li><li>CIDP: 0.02mL/kg/min for 20 min; can be gradually increased to a maximum of 0.08mL/kg/min if no adverse reaction*</li></ul> | <ul style="list-style-type: none"><li>5%: 0.5 mg/kg/min (0.01 mL/kg/min) for 30 min, then advance to 1 mg/kg/min (0.02 mL/kg/min) for 30 min then advance to 2 mg/kg/min (0.04 mL/kg/min) for 30 min. Maximum rate of less than 3.33 mg/kg/min (0.07 mL/kg/min) for the remainder of the infusion.*</li><li>10%: ITP 1.0 mg/kg/min (0.01 mL/kg/min) up to 12.0 mg/ kg/min (Up to 0.12 mL/kg/ min)*<br/>DM:1.0mg/kg/min (0.01mL/kg/min) up to 4.0mg/kg/min (up to 0.04mL/kg/min)*</li></ul> | <ul style="list-style-type: none"><li>PIDD: Initial Infusion Rate: 1 mg/ kg/min (0.01 mL/kg/min) Maximum Infusion Rate: 14 mg/kg/min (0.14 mL/kg/min)</li><li>ITP: Initial Infusion Rate: 1 mg/ kg/ min (0.01 mL/kg/min) Maximum Infusion Rate: 8 mg/ kg/min (0.08 mL/kg/min)</li><li>CIDP: Initial Infusion Rate: 1 mg/ kg/min (0.01 mL/kg/min) Maximum Infusion Rate: 12 mg/kg/min (0.12 mL/kg/min)</li></ul> | <ul style="list-style-type: none"><li>PIDD and CIDP: 0.5 mg/kg/min (0.005 mL/kg/min); if well tolerated, may increase gradually to 8 mg/kg/min (0.08 mL/kg/min)*</li><li>ITP: 0.5 mg/kg/min (0.005 mL/kg/min); if well tolerated, may increase gradually to 4 mg/kg/min (0.04 mL/kg/min)*</li></ul> |                                                                                                                   |
| Sugar Content                                                                                          | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Sugar free; stabilized with glycine                                                                                                                                                                                                                                   | No added sugars                                                                                                                                                                                                                              | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                      | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"><li>5%: 5 g D-Sorbitol in 100 mL of buffer solution</li><li>10%: Sugar free, stabilized with glycine and polysorbate 80</li></ul>                                                                                                                                        | Sugar free; stabilized with glycine                                                                                                                                                                                                                                                                 | 5%: 100 mg/mL maltose <sup>1</sup><br>10%: 90mg/mL maltose                                                                                                                                                                                                                                                                                                                                                                                                                                 | Glycine                                                                                                                                                                                                                                                                                                                                                                                                         | Sugar free; stabilized with L-proline                                                                                                                                                                                                                                                               |                                                                                                                   |
| Sodium Content                                                                                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100–140 mmol/L                                                                                                                                                                                                                                                        | 100–140 mmol/L                                                                                                                                                                                                                               | N/A                                                                                                                                                                                                                                                                                                      | Trace amounts                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"><li>5%: 0.2 g sodium acetate and 0.3 g sodium chloride in 100 mL of buffer solution</li><li>10%: &lt;30 mM sodium chloride in 100 mL of buffer solution</li></ul>                                                                                                        | Trace amounts                                                                                                                                                                                                                                                                                       | <30 mmol/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Trace amounts                                                                                                                                                                                                                                                                                                                                                                                                   | <1 mmol/L (10% solution)                                                                                                                                                                                                                                                                            |                                                                                                                   |
| Osmolality/<br>Osmolarity                                                                              | 240–360 mOsm/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 370–510 mOsm/kg                                                                                                                                                                                                                                                       | ≤510 mOsm/kg                                                                                                                                                                                                                                 | 240–300 mOsm/kg                                                                                                                                                                                                                                                                                          | 258 mOsm/kg                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"><li>5%: Typically 420–500 mOsm/kg (not less than 240 mOsm/kg)</li><li>10%: Typically 280 mOsm/kg (not less than 240 mOsm/kg)</li></ul>                                                                                                                                   | 258 mOsm/kg                                                                                                                                                                                                                                                                                         | 310–380 mOsm/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 240–310 mOsmol/kg                                                                                                                                                                                                                                                                                                                                                                                               | 320 mOsm/kg (range 240–440)                                                                                                                                                                                                                                                                         |                                                                                                                   |
| pH                                                                                                     | 4.5–5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.0–4.6                                                                                                                                                                                                                                                               | 4.0–4.6                                                                                                                                                                                                                                      | 4.6–5.1                                                                                                                                                                                                                                                                                                  | 4–4.5                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"><li>5%: 4.8–5.1</li><li>10%: 4.9–5.2</li></ul>                                                                                                                                                                                                                           | 4–4.5                                                                                                                                                                                                                                                                                               | 5%: 5.1–6<br>10%: 4.5–5                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.5–5.0                                                                                                                                                                                                                                                                                                                                                                                                         | 4.8 (range 4.6–5)                                                                                                                                                                                                                                                                                   |                                                                                                                   |
| IgA Content                                                                                            | ≤100 mcg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ≤200 mcg/mL                                                                                                                                                                                                                                                           | ≤200 mcg/mL                                                                                                                                                                                                                                  | 37 mcg/mL                                                                                                                                                                                                                                                                                                | 46 mcg/mL                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"><li>5%: &lt;10 mcg/mL</li><li>10%: &lt;20 mcg/mL</li></ul>                                                                                                                                                                                                               | 46 mcg/mL                                                                                                                                                                                                                                                                                           | 5%: ≤200 mcg/mL<br>10%: 106 mcg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Average 100 mcg/mL                                                                                                                                                                                                                                                                                                                                                                                              | ≤25 mcg/mL                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| % IgG                                                                                                  | ≥96%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ≥96%                                                                                                                                                                                                                                                                  | ≥96%                                                                                                                                                                                                                                         | >98%                                                                                                                                                                                                                                                                                                     | >98%                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>5%: &gt;95%</li><li>10%: &gt;98%</li></ul>                                                                                                                                                                                                                           | >98%                                                                                                                                                                                                                                                                                                | ≥96%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ≥96%                                                                                                                                                                                                                                                                                                                                                                                                            | >98%                                                                                                                                                                                                                                                                                                |                                                                                                                   |
| Latex Content                                                                                          | Latex free                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Latex free                                                                                                                                                                                                                                                            | Latex free                                                                                                                                                                                                                                   | Latex free                                                                                                                                                                                                                                                                                               | Latex free                                                                                                                                                                                                                                                                                          | Latex free                                                                                                                                                                                                                                                                                                 | Latex free                                                                                                                                                                                                                                                                                          | Latex free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Latex free                                                                                                                                                                                                                                                                                                                                                                                                      | Latex free                                                                                                                                                                                                                                                                                          |                                                                                                                   |
| Method of Production and Viral Inactivation/<br>Removal Process                                        | Modified Cohn-Onclcy fractionation, anion and cation exchange chromatography, fractionation I+III, solvent/detergent treatment, and 20mm nanofiltration                                                                                                                                                                                                                                                                                                                                  | Precipitation and removal of fraction III during the cold ethanol process, SD, 35 nm nanofiltration, low pH                                                                                                                                                           | Cohn-Onclcy fractionation, anion exchange chromatography; precipitation and removal of fraction III of the cold ethanol process, solvent/detergent treatment, 35 nm nanofiltration                                                           | Cold ethanol fractionation, 35 nm nanofiltration, chromatography, low pH incubation, solvent/detergent treatment                                                                                                                                                                                         | Depth filtration, cold ethanol fractionation, chromatography, low pH treatment, caprylate precipitation                                                                                                                                                                                             | S/D treatment, virus filtration, pH incubation                                                                                                                                                                                                                                                             | Depth filtration, cold ethanol fractionation, chromatography, low pH treatment, caprylate precipitation                                                                                                                                                                                             | Low pH treatment, Cold ethanol fractionation, ultrafiltration and chromatography as well as S/D treatment                                                                                                                                                                                                                                                                                                                                                                                  | Cold ethanol fractionation process followed by purification methodologies, as well as S/D treatment, ion-exchange chromatography, and nanofiltration (20 nm)                                                                                                                                                                                                                                                    | Depth filtration, cold ethanol fractionation, octanoic acid fractionation, chromatography, pH4 incubation, 20 nm nanofiltration                                                                                                                                                                     |                                                                                                                   |
| Filtration                                                                                             | No filter required                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No filter required                                                                                                                                                                                                                                                    | No filter required                                                                                                                                                                                                                           | Filter optional                                                                                                                                                                                                                                                                                          | No filter required                                                                                                                                                                                                                                                                                  | No filter required                                                                                                                                                                                                                                                                                         | No filter required                                                                                                                                                                                                                                                                                  | 0.2–200 micron filter optional                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.2–200 micron filter optional                                                                                                                                                                                                                                                                                                                                                                                  | No filter required                                                                                                                                                                                                                                                                                  |                                                                                                                   |
| Flushing Compatibility                                                                                 | Saline or dextrose                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                                                                                                                                                                                                   | Saline                                                                                                                                                                                                                                       | Saline or dextrose; Do not dilute with saline                                                                                                                                                                                                                                                            | Saline or dextrose; Do not dilute with saline                                                                                                                                                                                                                                                       | Saline or dextrose                                                                                                                                                                                                                                                                                         | Saline or dextrose                                                                                                                                                                                                                                                                                  | Saline or dextrose                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Saline or dextrose                                                                                                                                                                                                                                                                                                                                                                                              | Saline or dextrose                                                                                                                                                                                                                                                                                  |                                                                                                                   |
| Storage Requirements                                                                                   | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li><li>Do not return to refrigerator after stored at room temperature</li></ul>                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"><li>Refrigerate between 2°C–8°C (36°F to 46°F)</li><li>Do not freeze or heat. Do not use any solutions that have been frozen or heated. Do not use after expiration date</li></ul>                                                  | <ul style="list-style-type: none"><li>Refrigerate between 2°C–8°C (36°F to 46°F)</li><li>Do not freeze or heat. Do not use any solutions that have been frozen or heated. Do not use after expiration date</li></ul>                         | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                    | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                               | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                               | <ul style="list-style-type: none"><li>Refrigerate or room temperature</li><li>Do not freeze</li></ul>                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>5%: Maintain temperature +2°C to + 25°C (36°F to 77°F). Do not freeze</li><li>10%: Store at refrigerated temperature 2°C–8°C (36°F to 46°F). Do not freeze</li></ul>                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>Refrigerate 2°C to 8°C (36°F to 46°F)</li><li>Do not freeze</li></ul>                                                                                                                                                                                         | <ul style="list-style-type: none"><li>Room temperature</li><li>Do not freeze</li><li>Protect from light</li></ul> |
| Shelf Life                                                                                             | 36 months refrigerated 2°C–8°C (36°F to 46°F), or 24 months room temperature 8°C–25°C (46°C–77°C)                                                                                                                                                                                                                                                                                                                                                                                        | Refer to package label                                                                                                                                                                                                                                                | Refer to package label                                                                                                                                                                                                                       | 36 months refrigerated at 2C°–8°C (36F°–46°F), or 24 months at room temp (≤25°C, 77°F)                                                                                                                                                                                                                   | 36 months refrigerated at 2°–8° C (36°F–46°F), or 6 months at room temp (≤25°C, 77°F) any time during the 36 months                                                                                                                                                                                 | 36 months, when stored between 2°C (35.6°F) and 25°C (77°F)                                                                                                                                                                                                                                                | 36 months refrigerated at 2°C–8°C (36°F–46°F), or 6 months at room temp (≤25°C, 77°F) any time during the 36 months                                                                                                                                                                                 | <ul style="list-style-type: none"><li>5%: 24 months, at +2°C to + 25°C (36°F to 77°F) from the date of manufacture. Preservative free.</li><li>10%: 36 months; within this shelf-life, the product may be stored up to 9 months at ≤25°C (77°F). Preservative free.</li></ul>                                                                                                                                                                                                              | 36 months at 2°C to 8°C (36°F to 46°F) from the date of manufacture. Within its shelf-life, the product may be stored at ≤ 25°C (77°F) for up to 12 months. Preservative free.                                                                                                                                                                                                                                  | 36 months, preservative free                                                                                                                                                                                                                                                                        |                                                                                                                   |

1. Maltose can interfere with the readings of some blood glucose monitoring systems up to 24–36 hours post-dose.