




Immunoglobulin (Ig) Comparison Chart

	Carimune® NF	Gammagard® S/D	Gammagard® S/D w/ IgA <1 mcg/mL	Flebogamma® DIF	Gammagard® Liquid	Gamunex-C®	Privigen™	Octagam®	Hizentra™	Vivaglobin®	Gamunex-C®
Form	Lyophilized	Lyophilized	Lyophilized	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Infusion Route	Intravenous	Intravenous	Intravenous	Intravenous	Intravenous	Intravenous	Intravenous	Intravenous	Subcutaneous	Subcutaneous	Subcutaneous
Manufacturer	CSL Behring	Baxter BioScience	Baxter BioScience	Grifols	Baxter BioScience	Talecris Biotherapeutics	CSL Behring	Octapharma	CSL Behring	CSL Behring	Talecris Biotherapeutics
Clinical Contact	800.504.5434	800.422.9837	800.422.9837	888.474.3657	800.422.9837	800.520.2807	800.504.5434	800.826.6905	800.504.5434	800.504.5434	800.520.2807
Labeled Uses	PID, ITP	PID, ITP, CLL, Kawasaki disease	PID, ITP, CLL, Kawasaki disease	PID	PID	CIDP, PID, ITP	PID, ITP	PID	PID	PID	PID
Dosing Sizes	1 gm, 3 gm, 6 gm, 12 gm	2.5 gm, 5 gm, 10 gm	5 gm, 10 gm	0.5 gm, 2.5 gm, 5 gm, 10 gm, 20 gm	1 gm, 2.5 gm, 5 gm, 10 gm, 20 gm	1 gm, 2.5 gm, 5 gm, 10 gm, 20 gm	5 gm, 10 gm, 20 gm	1 gm, 2.5 gm, 5 gm, 10 gm, 25 gm	5 mL, 10 mL, 20 mL	3 mL, 10 mL, 20 mL	1 gm, 2.5 gm, 5 gm, 10 gm, 20 gm
Diluent	Sterile water, 5% Dextrose or 0.9% NaCL	Sterile water	<ul style="list-style-type: none"> Sterile water 96 mL for 5 gm 5% 192 mL for 10 gm 5% 	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concentration	3%, 6%, 9%, 12%	<ul style="list-style-type: none"> 5% 10% - use half diluent supplied 	<ul style="list-style-type: none"> 5% 10% - use half diluent supplied 	5%	10%	10%	10%	5%	20%	16%	10%
Infusion Rate	0.5–1 mL/min; increase after 15–30 mins. to 1.5–2.5 mL/min. Infusions of higher concentration may be initiated following this gradual increase.	<ul style="list-style-type: none"> 5%: 0.5 mL/kg/hr; rate can be increased gradually to a max of 4 mL/kg/hr if no adverse reaction. May start 10% (if 5% tolerated at max rate) start at 0.5 mL/kg/hr and may advance to 8 mL/kg/hr. High risk pts. max is 4 mL/kg/hr. at 5%, 2 mL/kg/hr for 10%. 	<ul style="list-style-type: none"> 5%: 0.5 mL/kg/hr and may increase gradually to a max of 4 mL/kg/hr if no adverse reaction. High risk pts. – max rate of 4 mL/kg/hr at 5%. May use 10% (if 5% tolerated) 0.5 mL/kg/hr and may increase gradually to 8 mL/kg/hr. 	0.01 mL/kg/min. for 30 minutes, then increase gradually to rate of 0.10 mL/kg/min as tolerated. At risk patients – rate less than 0.06 mL/kg/min.	0.5 mL/kg/hr; rate can be increased every 30 minutes to a rate of 5 mL/kg/hr as tolerated.	0.01 mL/kg/min for 30 min; can be gradually increased to a max of 0.08 mL/kg/min if no adverse reaction.	<ul style="list-style-type: none"> PIDD: 0.5 mg/kg/min (0.005mL/kg/min); if well tolerated may increase gradually to 8 mg/kg/min (0.08 mL/kg/min). ITP: 0.5 mg/kg/min (0.005 mL/kg/min); if well tolerated, may increase gradually to 4mg/kg/min (0.04 mL/kg/min). 	0.6 mL/kg/hour for 30 minutes, then advance to 1.2 mL/kg/hour for 30 minutes then advance to 2.4 mL/kg/hour for 30 minutes. Max rate at 4 mL/kg/hour for the remainder of the infusion.	First infusion 15 mL per hour per site. Subsequent doses may be increased to a maximum of 25 mL per hour per site as tolerated. Multiple simultaneous sites may be required with injection sites 2 inches apart. Maximum flow rate not to exceed a total of 50 mL per hour for all sites combined. May be less in pediatric patients (5–10 mL).	15 mL per injection site at rate of 20 mL per hour per site. Multiple simultaneous sites may be required with injection sites 2 inches apart.	20 mL per hour per site.
Sugar Content	1.67 gm sucrose	2% glucose	2% glucose	5% D-Sorbitol	Sugar free; stabilized with glycine	Sugar free; stabilized with glycine	Sugar free; stabilized with L-proline	100 mg/mL maltose ¹	Sugar free; stabilized with L-proline	Sugar free; stabilized with L-proline	Sugar free; stabilized with glycine
Na Content	<20 mg NaCL/gm protein	0.85% with 5%	0.85% with 5%	<3.2 mEq/L	N/A	Trace amounts	<1 mmol/L (10% solution)	<30 mmol/L	Trace amounts	0.3% NaCL	Trace amounts
Osmolality/Osmolarity	<ul style="list-style-type: none"> Sterile water: 192–768 5% Dextrose: 444–1020 0.9 NaCL: 498–1074 	5%: 636 mOsm/kg 10%: 1250 mOsm/kg	5%: 636 mOsm/kg	240–370 mOsm/kg	240–300 mOsm/kg	258 mOsm/kg	320 mOsm/kg (range 240 – 440)	310–380 mOsm/kg	380 mOsm/kg	445 mOsm/kg	258 mOsm/kg
pH	6.6 ±0.2 (after reconstitution)	6.8 ±0.4 (after reconstitution)	6.8 ±0.4 (after reconstitution)	5–6	4.6–5.1	4-4.5	4.8 (range 4.6–5)	5–6	4.6–5.2	6.4–7.2	4-4.5
IgA Content	720 mcg/mL	≤2.2 mcg/mL	<1 mcg/mL	<50 mcg/mL	37 mcg/mL	46 mcg/mL	<25 mcg/mL	≤200 mcg/mL	<50 mcg/mL	1700 mcg/mL	46 mcg/mL
% IgG	>96%	>90%	>90%	>97%	>98%	>98%	>98%	>96%	≥98%	>96%	>98%
Latex Content	Latex free	Packaging contains latex	Packaging contains latex	Latex free	Latex free	Latex free	Latex free	Latex free	Latex free	Latex free	Latex free
Method of Production and Viral Inactivation/Removal Process	Depth filtration, pH4 in presence of pepsin, nanofiltration	Cold ethanol fractionation, ultrafiltration, chromatography, solvent/detergent treatment	Cold ethanol fractionation, ultrafiltration, chromatography, solvent/detergent treatment	Cold ethanol fractionation, PEG precipitation, sequential 35 nm + 20 nm nanofiltration, chromatography, pasteurization, low pH treatment, solvent/detergent treatment	Cold ethanol fractionation, 35 nm nanofiltration, chromatography, low pH Incubation, solvent/detergent treatment	Depth filtration, cold ethanol fractionation, chromatography, precipitation	Depth filtration, cold ethanol fractionation, octanoic acid fractionation, chromatography, pH4 incubation, 20 nm nanofiltration	Low pH Incubation, solvent/detergent treatment, cold ethanol fractionation	Depth filtration, Cold alcohol fractionation, octanoic acid fractionation, chromatography, pH4 incubation, 20 nm nanofiltration	Pasteurization (heat treatment of the aqueous solution at 60°C for 10 hours), ethanol – fatty alcohol/pH precipitation	Depth filtration, cold ethanol fractionation, chromatography, low pH treatment, caprylate precipitation
Filtration	In-line filter optional	Filter required	Filter required	Filter recommended	In-line filter optional	No filter required	No filter required	In-line 0.2 micron filter optional	No filter required	No filter required	No filter required
Flushing Compatibility	Saline or dextrose	Saline or dextrose	Saline or dextrose	Saline or dextrose	Saline or dextrose	Dextrose only, not compatible with saline	Saline or dextrose	Saline or dextrose	N/A	N/A	Dextrose only, not compatible with saline
Storage Requirements	Room temp (≤ 30°C, 86°F). Do not freeze.	Room temp (≤ 25°C, 77°F). Do not freeze.	Room temp (≤ 25°C, 77°F). Do not freeze.	2°C to 25°C. Protect from light.	Refrigerate or room temp. Do not freeze.	Refrigerate or room temp. Do not freeze.	Room temp (≤ 25°C, 77°F). Do not freeze. Protect from light.	Room temp (≤ 25°C, 77°F). Do not freeze. Protect from light.	Room temp (up to 25°C, 77°F). Do not freeze. Protect from light.	Refrigerate at 2°–8°C, 36°–46°F. Do not freeze.	Refrigerate or room temp. Do not freeze.
Shelf Life	24 months, preservative free	24 months, preservative free	24 months, preservative free	24 months, preservative free	36 months refrigerated at 2°–8°C, 36°–46°F, or 9 months at room temp (≤ 25°C, 77°F) within first 24 months of the date of processing.	36 months refrigerated at 2°–8°C, 36°–46°F, or 6 months at room temp (≤ 25°C, 77°F) any time during the 36 months.	36 months, preservative free	24 months, preservative free	Stable for the period indicated by the expiration date on label. Preservative free.	Stable for the period indicated by the expiration date on label. Preservative free.	36 months refrigerated at 2°–8°C, 36°–46°F, or 6 months at room temp (≤ 25°C, 77°F) any time during the 36 months.

KEY

CIDP.....Chronic inflammatory demyelinating polyneuropathy
 CLL.....Chronic lymphocytic leukemia
 IgA.....Immunoglobulin A
 ITP.....Idiopathic thrombocytopenic purpura
 IV.....Intravenous
 mL.....Milliliter
 mOsm/L.....Milliosmoles per liter
 N/A.....Not applicable
 NaCl.....Sodium chloride; saline
 PID.....Primary immunodeficiency disease

-  Lyophilized IVIg
-  Liquid IVIg
-  Liquid SCLg

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

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

CoramIg.com
Toll Free: 866.899.1661
Fax: 866.843.3221



The information above comes from the respective product package inserts. All brand names are the property of their respective owners. Coram does not provide medical advice and does not recommend a particular treatment or brand.