



Intravenous Immunoglobulin (IVIG) Product Guide

AcariaHealth is a national comprehensive specialty pharmacy focused on improving care and outcomes for patients living with complex and chronic conditions. Through Specialty Therapeutic Care, our center of excellence for home infusion and hemophilia patients specializing in immunoglobulin, we work closely with physician offices to support patients on intravenous immunoglobulin (IVIG) and subcutaneous immunoglobulin (SQIG) therapy across various disease states. Our goal is to provide superior support to our providers and unrivaled care to our patients.

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Product Name	Privigen®	Gamunex-C®	Panzyga	Octagam®	Gammagard Liquid	Gammagard S/D
Indications	<ul style="list-style-type: none"> PI, ITP, CIDP 	<ul style="list-style-type: none"> Intravenous (IV): CIDP, PI, ITP Subcutaneous (SC): PI 	<ul style="list-style-type: none"> Intravenous (IV): CITP (in adults), PI (in patients 2 years of age and older), CIDP (in adults) 	<ul style="list-style-type: none"> PI (5%), ITP (in adults) (10%), Dermatomyositis (10%) 	<ul style="list-style-type: none"> PI, MMN (in adults) 	<ul style="list-style-type: none"> CLL, ITP, KD, PID
Contraindications	<ul style="list-style-type: none"> Anaphylactic or severe systemic reaction to the administration of human IG Hyperprolinemia Selective IgA deficiency with antibodies to IgA and a history of hypersensitivity 	<ul style="list-style-type: none"> Anaphylactic or severe systemic response to IG. Individuals with known antibodies against IgA should receive Gamunex-C with utmost cautionary measures due to risk of severe immediate hypersensitivity reactions including anaphylaxis. 	<ul style="list-style-type: none"> Anaphylactic or severe systemic reactions to human IG IgA deficient patients with antibodies against IgA and history of hypersensitivity 	<ul style="list-style-type: none"> Anaphylactic or severe systemic reactions to human IG IgA deficient patients with antibodies against IgA and history of hypersensitivity 	<ul style="list-style-type: none"> Anaphylactic or severe systemic hypersensitivity reaction to human IG IgA deficient patients with antibodies against IgA and history of hypersensitivity 	<ul style="list-style-type: none"> Anaphylactic or severe systemic reactions to human IG IgA deficient patients with antibodies against IgA and history of hypersensitivity
IgA Content	<ul style="list-style-type: none"> ≤ 25 mcg/ml 	<ul style="list-style-type: none"> Average 46 mcg/ml 	<ul style="list-style-type: none"> Average 100 mcg/ml 	<ul style="list-style-type: none"> <200 mcg/ml (5%), 106 mcg/ml (10%) 	<ul style="list-style-type: none"> Average 37 ug/ml 	<ul style="list-style-type: none"> <1 mcg/ml (5%), ≤ 2.2mcg/ml (10%)
Osmolality	<ul style="list-style-type: none"> Approximately 320 mOsmol/kg (range: 240-440) 	<ul style="list-style-type: none"> 258 mOsmol/kg 	<ul style="list-style-type: none"> 240-310 mOsmol/kg 	<ul style="list-style-type: none"> 310-380 mOsmol/kg 	<ul style="list-style-type: none"> 240 - 300 mOsmol/kg (physiological range: 285-295) 	<ul style="list-style-type: none"> 636 mOsmm/L (5%), 1250 OmsO/L (10%)
Sugar Content	<ul style="list-style-type: none"> L-Proline 	<ul style="list-style-type: none"> Glycine 	<ul style="list-style-type: none"> Glycine (15-19.5 mg/ml) 	<ul style="list-style-type: none"> Maltose 100mg/ml in 5% and 90mg/ml in 10% 	<ul style="list-style-type: none"> Glycine 	<ul style="list-style-type: none"> Glucose 20mg/ml (5%) and Glycine 22.5mg/ml
Sodium Content	<ul style="list-style-type: none"> Trace amounts 	<ul style="list-style-type: none"> Trace amounts 	<ul style="list-style-type: none"> Trace amounts 	<ul style="list-style-type: none"> Not more than 30 mmol/L 	<ul style="list-style-type: none"> No sodium 	<ul style="list-style-type: none"> 8.5 mg/ml NaCl (5%)
pH of Product	<ul style="list-style-type: none"> 4.6-5.0 	<ul style="list-style-type: none"> 4.0-4.5 	<ul style="list-style-type: none"> 4.5-5.0 	<ul style="list-style-type: none"> 4.5-5.0 	<ul style="list-style-type: none"> 4.6-5.1 	<ul style="list-style-type: none"> 6.4 - 7.2
Product Half Life	<ul style="list-style-type: none"> 36.6 days 	<ul style="list-style-type: none"> Approximately 35 days 	<ul style="list-style-type: none"> Approximately 26-39 days 	<ul style="list-style-type: none"> Not tested in PI patients 	<ul style="list-style-type: none"> 35 days 	<ul style="list-style-type: none"> 37.7 ± 15 days
Viral Safety Process	<ul style="list-style-type: none"> pH 4 incubation, 20 nm virus filtration, depth filtration, TSE validation and removal 	<ul style="list-style-type: none"> Caprylate precipitation/depth filtration, caprylate incubation, column chromatography, low pH incubation 	<ul style="list-style-type: none"> S/D treatment, ion exchange chromatography and small pore nano filtration, low pH incubation 	<ul style="list-style-type: none"> Cold-ethanol fractionation, S/D treatment, pH 4 treatment 	<ul style="list-style-type: none"> S/D treatment, 35nm filtration, low pH incubation 	<ul style="list-style-type: none"> S/D, cold ethanol fractionation
Route of Administration	<ul style="list-style-type: none"> Intravenous (IV) 	<ul style="list-style-type: none"> Intravenous (IV) Subcutaneous (SC): PI 	<ul style="list-style-type: none"> Intravenous (IV) 	<ul style="list-style-type: none"> Intravenous (IV) 	<ul style="list-style-type: none"> Intravenous (IV) Subcutaneous (SC): PI 	<ul style="list-style-type: none"> Intravenous (IV)
Formulation & Concentration	<ul style="list-style-type: none"> 10% Liquid 	<ul style="list-style-type: none"> 10% Liquid 	<ul style="list-style-type: none"> 10% Liquid 	<ul style="list-style-type: none"> Liquid, 100 mg of protein per ml (10%) 	<ul style="list-style-type: none"> 10% Liquid 	<ul style="list-style-type: none"> Kit of Lyophilized Powder + SWI enough to dilute down to 5% and 10% concentration
Storage Requirements	<ul style="list-style-type: none"> Room temperature up to 25°C (77°F). Do not freeze. Protect from light. 	<ul style="list-style-type: none"> Refrigerator temperature 2°-8°C (36°-46°F). Do not freeze. 6 months at room temperature anytime during the 36-month shelf life. 	<ul style="list-style-type: none"> Refrigerator temperature 2°-8°C (36°-46°F). Do not freeze. 9 months at room temperature anytime during the 36-month shelf life. 	<ul style="list-style-type: none"> 5%: refrigerator temperature 2°-25°C 10%: refrigerate up to 36 months. 9 months at room temperature anytime during the 36-month shelf life 	<ul style="list-style-type: none"> Refrigerator temperature 2°-8°C (36°-46°F). Do not freeze. 24 months at room temperature 	<ul style="list-style-type: none"> Room temperature
Shelf Life from Date of Manufacture	<ul style="list-style-type: none"> 36 months 	<ul style="list-style-type: none"> 36 months 	<ul style="list-style-type: none"> 36 months 	<ul style="list-style-type: none"> 36 months 	<ul style="list-style-type: none"> 36 months 	<ul style="list-style-type: none"> 24 months
Available Sizes	<ul style="list-style-type: none"> 5 gm, 10 gm, 20 gm, 40 gm 	<ul style="list-style-type: none"> 1 gm, 2.5 gm, 5 gm, 10gm, 20 gm, 40 gm 	<ul style="list-style-type: none"> 1 gm, 2.5 gm, 5 gm, 10 gm, 20 gm, 30 gm 	<ul style="list-style-type: none"> 5% vials: 1 gm, 2.5 gm, 5 gm, 10 gm, 25 gm 10% vials: 2 gm, 5 gm, 10 gm, 20 gm, 30 gm 	<ul style="list-style-type: none"> 1 gm, 2.5 gm, 5 gm, 10 gm, 20 gm, 30 gm 	<ul style="list-style-type: none"> 5 gm, 10 gm