

# HUMAN PROTEIN FRACTIONS

Golden West Diagnostics (GWD) consistently supplies high-quality protein fractions that can be sampled and purchased off the shelf or be custom tailored to your specifications. Call GWD today for samples or more details on custom manufacturing.

## HUMAN SERUM ALBUMIN PRODUCTS

Manufactured from downgraded therapeutic human serum albumin.

Analyses, solubility and filterability are all based on a 5% solution.

HA1000 HUMAN SERUM ALBUMIN		
TEST	SPECIFICATIONS	METHODOLOGY
Purity	≥95%	HPLC
Total Protein	≥4.7 g/dL	Biuret
Color	Off White	Visual
State	Powder	N/A
Sodium	<50 mmol/L	ISE
Potassium	<2.0 mmol/L	ISE
Chloride	<50 mmol/L	ISE
Calcium	<2 mg/dL	Arsenazo III
pH	6.8 - 7.2	pH Meter
Microbial	<100 CFU/mL	USP/BAM
Moisture	≤5%	Protein Calculation
Protease	None Detected	Enzymatic Assay

HA1010 HUMAN SERUM ALBUMIN, LOW B12/FOLATE		
TEST	SPECIFICATIONS	METHODOLOGY
Purity	≥95%	HPLC
Total Protein	≥4.8 g/dL	Biuret
Color	Off White	Visual
State	Powder	N/A
Sodium	<50 mmol/L	ISE
Potassium	<0.5 mmol/L	ISE
Chloride	<50 mmol/L	ISE
Calcium	<2.0 mg/dL	Arsenazo III
pH	6.8 - 7.2	pH Meter
B12	≤80 pg/mL	Enzymatic Immunoassay
Folate	≤2 ng/mL	Enzymatic Immunoassay
Microbial	<100 CFU/mL	USP/BAM
Moisture	≤5%	Protein Calculation
Protease	None Detected	Enzymatic Assay



HA1020 HUMAN SERUM ALBUMIN, FATTY ACID FREE		
TEST	SPECIFICATIONS	METHODOLOGY
Purity	≥95%	HPLC
Total Protein	≥4.8 g/dL	Biuret
Color	Off White	Visual
State	Powder	N/A
Sodium	<50 mmol/L	ISE
Potassium	<0.5 mmol/L	ISE
Chloride	<50 mmol/L	ISE
Calcium	<2.0 mg/dL	Arsenazo III
pH	6.8 - 7.2	pH Meter
Microbial	<100 CFU/mL	USP/BAM
Moisture	≤5%	Protein Calculation
Fatty Acids	<0.05 mmol/L	Enzymatic Calorimetric

## HA2200 HUMAN SERUM ALBUMIN, 20%

Human Serum Albumin, 20%- Testing Varies- Contact Us For More Information

## HA2500 HUMAN SERUM ALBUMIN, 25%

Human Serum Albumin, 25%- Testing Varies- Contact Us For More Information

## HUMAN GAMMA GLOBULIN

Manufactured from downgraded therapeutic human gamma globulin

HGG1000 HUMAN GAMMA GLOBULIN		
TEST	SPECIFICATIONS	METHODOLOGY
Purity	≥95%	HPLC
Total Protein	≥4.5 g/dL	Biuret
Color	White to Off White	Visual
State	Lyophilized Powder	N/A
Sodium	<200 mmol/L	ISE
Potassium	<10 mmol/L	ISE
Chloride	<200 mmol/L	ISE
Calcium	<2 mg/dL	Arsenazo III
pH	6.0-8.0	pH Meter
Microbial	<100 CFU/mL	USP/BAM
Moisture	≤5%	Protein Calculation