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**HUMAN PROTEIN  
FRACTIONS**

Golden West Diagnostics, LLC. (GWD) – est. 2015. As a subsidiary of Golden West Biologicals, Inc (GWB), GWD is rooted in over 30 years of industry experience. GWD specializes in genuine human matrices used in the preparation for standards and controls for mass spectrometry and immunoassay applications. At GWD, we offer solutions to meet customers unique requirements. Our products are of the highest quality.

951-414-1870 | [Orders@GoldenWestDiagnostics.com](mailto:Orders@GoldenWestDiagnostics.com)

# 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