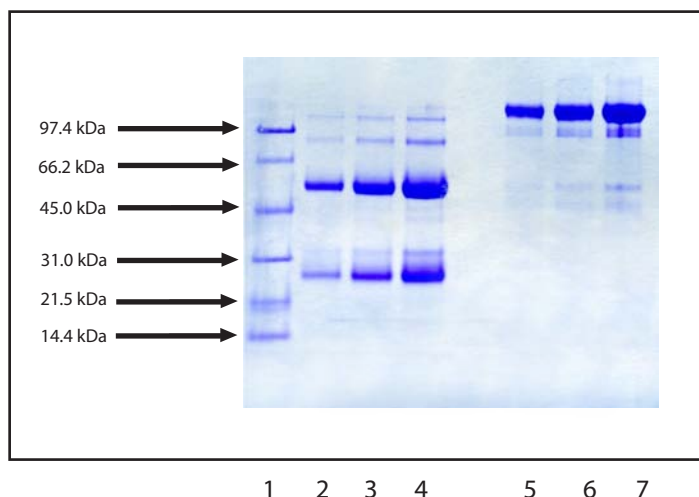


Representative Product Analysis

Immunoglobulin G (IgG), Human Plasma, Native

Catalog No. BGT-PCT-07084



SDS-PAGE:

4 - 12% Bis-Tris-HCl NuPAGE gel

1. LMW Standard
2. IgG - 5 µg (reduced / heated)
3. IgG - 10 µg (reduced / heated)
4. IgG - 20 µg (reduced / heated)
5. IgG - 5 µg (non-reduced / no heat)
6. IgG - 10 µg (non-reduced / no heat)
7. IgG - 20 µg (non-reduced / no heat)

Molecular Weight: 150,000

Protein Determination:

Extinction Coefficient (E) $\frac{0.1\% \text{ at } 280\text{nm}}{1\text{cm pathway}} = 1.36$

Physical Specifications:

Lyophilized
Purity: $\geq 95\%$ by SDS-PAGE

Considerations:

Storage Conditions: $\leq -20^\circ \text{C}$

Stability > 1 year

Buffer: 20 mM phosphate, pH 7.4, with 150 mM NaCl and 0.05% NaN_3

Virginia B. Patel PhD

Product Datasheet

| | |
|------------------------|--|
| Product: | Immunoglobulin G (IgG), Human Plasma, Native |
| Catalog Number: | BGT-PCT-07084 |
| Description: | Lyophilized |
| Buffer: | 20 mM phosphate, pH 7.4, 150 mM NaCl and 0.05% NaN ₃ |
| Purity: | >=95% by SDS-PAGE |
| Molecular Weight: | MW 150,000 |
| Protein Determination: | Extinction Coefficient (E) _{1cm pathway} ^{0.1% at 280nm} =1.36 |
| Storage: | <= -20°C |
| Stability: | > 1 year |
| Available Packaging: | 10 mg per vial Larger aliquots upon request |
| Source: | Human Plasma |
| Testing: | Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests. |

Certificate Of Origin

| | |
|------------------------------------|--|
| Product Name: | Immunoglobulin G (IgG), Human Plasma, Native |
| Catalog Number: | BGT-PCT-07084 |
| Lot Number: | Information applies to all lots produced. |
| Manufacturing Information: | The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System. |
| Manufacturing Site: | USA |
| Raw Material Information: | The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification. |
| Country of Origin (manufacturing): | United States |
| Biological Source Material (COO): | United States |
| Donor Consent: | The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center. |