

**Datasheet for D600-0025****Bovine Gamma Globulin Fraction****Overview**

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| <b>Description:</b>  | Bovine Gamma Globulin Fraction (Preservative Free) - D600-0025 |
| <b>Item No.:</b>     | D600-0025                                                      |
| <b>Size:</b>         | 25 g                                                           |
| <b>Applications:</b> | SDS-PAGE                                                       |
| <b>Origin:</b>       | Bovine                                                         |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Background:</b>        | Bovine Gamma Globulin Fraction consists of the fraction of blood serum which contains whole antibodies as well as other non-albumin plasma proteins. Gamma globulins can be utilized therapeutically to temporarily boost an patient's immunity (such as after an immunosuppressive infection) or to increase the likelihood of kidney transplant acceptance. Gamma Globulin Fraction can be utilized in molecular biology experiments as a control reagent. |
| <b>Synonyms:</b>          | Plasma Gamma Globulin, Serum Gamma Globulin, Globulin Fractions, Gammaglobulin, Bovine Gamma Globulin                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species of Origin:</b> | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**Target Details**

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| <b>Immunogen:</b>          | Not applicable                                                                                                                                                                                                                                                                                                       |
| <b>Purity/Specificity:</b> | This product was prepared from normal Bovine serum by a multi-step process which includes delipidation and salt fractionation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in precipitin arcs against anti-Bovine Serum corresponding to gamma globulins. |

**Application Details**

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| <b>Tested Applications:</b> | SDS-PAGE |
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| <b>Application Note:</b> | Bovine Gamma Globulin Fraction has been tested by SDS-PAGE and can be utilized in Western Blotting and ELISA experiments. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                           |
| <b>ELISA:</b>            | User Optimized                                                                                                            |
| <b>IHC:</b>              | User Optimized                                                                                                            |
| <b>WB:</b>               | User Optimized                                                                                                            |

## Formulation

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                                |
| <b>Concentration:</b>         | 1.21 g by dry weight equals 1.0 gr Gamma Globulin          |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | None                                                       |
| <b>Stabilizer:</b>            | None                                                       |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)               |

## Shipping & Handling

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| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Condition:</b>  | Store Bovine gamma globulin at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Bovine Gamma Globulin Fraction is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                                                              |

## Disclaimer

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