

Datasheet for D601-0050**Cat Gamma Globulin Fraction****Overview**

Description:	Cat Gamma Globulin Fraction - D601-0050
Item No.:	D601-0050
Size:	50 mg
Origin:	Feline

Product Details

Background:	Gamma globulins are a class of globulins, identified by their position after serum protein electrophoresis. The most significant gamma globulins are immunoglobulins ("Igs"), more commonly known as antibodies, although some Igs are not gamma globulins, and some gamma globulins are not Igs. Injections are also used to boost immunity in patients unable to produce gamma globulins naturally because of an immune deficiency, such as X-linked a gamma globulinemia and hyper IgM syndrome. Cat Gamma Globulin Fraction is ideal for investigators involved in serum protein component research.
Synonyms:	Plasma Gamma Globulin, Serum Gamma Globulin, Globulin Fractions, Gammaglobulin, feline Gamma Globulin, Cat γ , Cat Fraction
Species of Origin:	Feline
Type:	Native Protein

Target Details

Purity/Specificity:	CAT Gamma Globulin Fraction was prepared from normal serum by a multi-step process which includes delipidation salt fractionation followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in precipitin arcs against anti-Cat Serum corresponding to gamma globulins.
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Application Details

Application Note:	CAT Gamma Globulin Fraction is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. Specific conditions should be optimized by user.
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Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
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Formulation

Physical State:	Lyophilized
Concentration:	10.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial 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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

