

**Datasheet for S000-17****Streptavidin Beta-Galactosidase Conjugated****Overview**

|                      |                                                      |
|----------------------|------------------------------------------------------|
| <b>Description:</b>  | Streptavidin Beta-Galactosidase Conjugated - S000-17 |
| <b>Item No.:</b>     | S000-17                                              |
| <b>Size:</b>         | 1 mg                                                 |
| <b>Applications:</b> | ELISA                                                |

**Product Details**

|                    |                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b> | Streptavidin is a bacterial protein (from <i>Streptomyces avidinii</i> ) that has an exceptionally high binding affinity for biotin. $\beta$ -galactosidase, also called beta-gal or $\beta$ -gal, is a hydrolase enzyme that catalyzes the hydrolysis of $\beta$ -galactosides into monosaccharides. This Streptavidin is conjugated to beta galactosidase. |
| <b>Synonyms:</b>   | SA, S avidin, streptococcus avidin, streptavidin Beta Galactosidase [E.coli], BGAL                                                                                                                                                                                                                                                                           |
| <b>Conjugate:</b>  | Beta Galactosidase (E.coli)                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                            |                                                                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | This product was prepared from electrophoretically pure Streptavidin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-beta galactosidase (E.coli) and anti-Streptavidin. No reaction was observed against anti-Avidin. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">S000-17 SDS</a></li></ul>                                                                                                                                                                            |

**Application Details**

|                             |                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                     |
| <b>Application Note:</b>    | Streptavidin Beta Galactosidase conjugate has been tested by ELISA and is assayed against 1.0 $\mu$ g of biotinylated IgG in a standard capture ELISA using ONPG as a substrate for 30 minutes at room temperature. A working dilution of 1:100 to 1:3,000 is suggested for this product. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                           |
| <b>ELISA:</b>               | 1:4,000 - 1:20,000                                                                                                                                                                                                                                                                        |

|             |                 |
|-------------|-----------------|
| <b>IHC:</b> | 1:200 - 1:1,000 |
| <b>WB:</b>  | 1:400 - 1:2,000 |

## Formulation

|                        |                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                                                                               |
| <b>Concentration:</b>  | 1.0 mg/mL by UV absorbance at 280 nm                                                                                    |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01M Magnesium Chloride and 0.01M Beta-Mercaptoethanol |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                                                                                |
| <b>Stabilizer:</b>     | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free                                                  |

## Shipping & Handling

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                               |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. DO NOT FREEZE.   |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt. |

## Images



### Bottle

Streptavidin Beta-Galactosidase Conjugated

## 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.