

BacTrace[®] Antibody
Goat anti-*Streptococcus agalactiae* (Group B)
Unlabeled



<u>Catalog No.</u>	<u>Size</u>
01-90-08	1.0 mg
011-90-08	0.1 mg

DESCRIPTION

Affinity purified antibody isolated from a pool of serum from goats immunized with *Streptococcus agalactiae* (Group B).

FORM/STORAGE

Lyophilized. Store at 2-8 °C until rehydrated. Stable for a minimum of 1 year when stored at 2-8 °C.

STABILIZER AND PRESERVATIVE

No stabilizers or preservatives added. Non-sterile.

ANTIBODY CONCENTRATION

The quantity of affinity purified antibody is 1.0 mg as determined by UV absorbance at 280 nm.

SPECIFICITY/CROSS REACTIVITY

Tested by ELISA techniques as applicable. This product reacts specifically with *Streptococcus agalactiae* (Group B). Minimal cross-reactivity may exist to other similar species.

REHYDRATION AND STORAGE

Two methods for rehydration and storage are recommended to meet most needs. Procedure A, using 50% glycerol, is preferred. It eliminates freezing at -20°C and is an effective biological inhibitor. At a working dilution, the level of glycerol is too small to affect most assays.

Procedure A: 50% Glycerol

Solution Preparation: Rehydrate with 1 mL of 50% glycerol.

Rehydration: Transfer 1 mL of the 50% glycerol solution to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Antibody concentration will then be 1.0 mg/mL.

Storage: The rehydrated product is stable for a minimum of 1 year at 2-8 °C.

Procedure B: Acetic Acid/Bi-Carbonate

Solution Preparation: Prepare immediately before use:

0.01M Acetic Acid Solution: Mix 25 µL of glacial acetic acid and 40 mL reagent quality water.

0.177M Carbonate-Bicarbonate Solution: Dissolve 1.09 g of Na₂CO₃ and 0.63 g of NaHCO₃ in 100 mL reagent quality water.

Rehydration: Add 0.1 mL of 0.01M acetic acid to 1 mg of antibody. Rotate vial until totally dissolved. Add 0.1 mL of the carbonate-bicarbonate solution and rapidly mix to obtain a clear or opalescent solution. Heat at 37 °C for 30 minutes and allow to slowly cool to room temperature. Final concentration is 5.0 mg/mL.

Storage: This product may be stored for up to one week at 2-8 °C; thereafter, it should be stored at -20 °C. At -20 °C, product is stable for a minimum of 1 year.

SUGGESTED WORKING DILUTIONS

Optimal working concentrations should be determined experimentally. Prepare working dilution in PBS or other buffer immediately before use. Dilution is not recommended for long-term storage. Suggested dilutions are listed below. In many cases, the antibody may be diluted further than indicated:

Capture Antibody: 10 µg/mL
Primary Antibody: 1 – 2 µg/mL

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Dispose of via institutional guidelines.

RELATED PRODUCTS

<i>S. agalactiae</i> (Group B) Pos. Control	Cat. No. 50-90-08
BSA Diluent/Blocking	Cat. No. 50-61-00
10X Coating Solution Concentrate	Cat. No. 50-84-00
20X Wash Solution	Cat. No. 50-63-00
10X PBST	Cat. No. 51-14-01
10X TBST	Cat. No. 51-18-01

Affinity Purified Antibody To *Streptococcus agalactiae* (Group B)

<u>Catalog No.</u>	<u>Size</u>
01-90-08	1.0 mg
011-90-08	0.1 mg

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Nothing disclosed herein is to be construed as a recommendation to use this product in violation of any patents. The information presented above is believed to be accurate. However, said information and product are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. We cannot be responsible for patent infringements or other violations that may occur with the use of this product. No claims beyond replacement of unacceptable material or refund of purchase price shall be allowed. All claims regarding product performance must be made within 30 days following date of delivery.

Limited Use License

The purchase of this product conveys to the buyer the non-transferable right to use the product in research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or materials made by use of this product to a third party or otherwise use this product or materials made with this product for Commercial Purposes without written approval of KPL, Inc. For additional information, please visit www.kpl.com or the KPL catalog. To obtain a license or approval to use this product for purposes other than those permitted above, contact Director of Sales at (301) 948-7755.