Affinity purified antibody isolated from a Pool of serum from goats immunized with *E. coli* O157:H7.

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

No stabilizers or preservatives added. Non-sterile.

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

This product is designed to react specifically with *E. coli* O157:H7. Product is tested via ELISA techniques as applicable.

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 solution to the 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.

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

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


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.
KPL BacTrace®
Goat anti-\textit{E. coli} O157:H7 Antibody

Catalog No.  
5310-0326 (01-95-90)  
Size  
1.0 mg

\textbf{RELATED PRODUCTS}  
\textbf{CAT. NO.}
KPL BSA Diluent/Blocking Solution  
5140-0006 (50-61-00)
KPL 10X Coating Solution  
5150-0014 (50-84-00)
KPL Wash Solution  
5150-0008 (50-63-00)
KPL 10X PBST  
5460-0026 (51-14-01)
KPL 10X TBST  
5460-0040 (51-18-01)
\textit{KPL E. coli} O157:H7 Pos. Control  
5370-0013 (50-95-90)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.