

BacTrace®
Anti-*E. coli* O26
Latex Beads



Catalog No. **Size**
082-02-95-92 **1.0 mL**

DESCRIPTION

BacTrace Anti-*E. coli* O26 Latex Beads are navy blue latex beads coated with KPL's BacTrace Anti-*E. coli* O26 antibody (Cat. No. 01-95-92). This antibody is specific for *E. coli* O26. Latex conjugates can be utilized as a tool in agglutination assays. Agglutination assays are rapid tests often used in tandem with other bacteria identification assays to confirm the presence of specific bacteria in a sample.

FORM/STORAGE

Suspension. One vial provides enough material to perform 50 agglutinations. Store at 2-8 °C. **DO NOT FREEZE!** Stable for a minimum of 1 year from date of receipt when stored at 2-8 °C.

STABILIZER AND PRESERVATIVE

Bovine Serum Albumin (BSA) is added as a stabilizer. 0.02% sodium azide is added as a preservative. Non-sterile.

MATERIALS REQUIRED BUT NOT PROVIDED

Sterile PBS
Positive control
Agglutination plates or slides

SUGGESTED PROTOCOL

(Results may vary based on how the bacteria are procured and treated).

PLEASE NOTE: Working with pathogenic bacteria requires that certain safety measures be followed. Please follow all required aseptic techniques, as well as good laboratory practice. Endeavor to avoid aerosol formation, and perform necessary work in a biosafety cabinet. All contaminated materials should be autoclaved or disinfected prior to disposal. Follow all pertinent regulations.

VORTEX BEADS THOROUGHLY PRIOR TO USE!

1. Select one colony from an agar plate, and resuspend in 100 µL of sterile PBS.
2. Prepare 20 µL serial dilutions in sterile PBS from the initial 100 µL sample.
3. Add each dilution to the sample card or slide.
4. After vortexing, add 20 µL of latex beads to each sample.
5. Rock gently for up to five minutes.
6. Observe for agglutination.

PLEASE NOTE:

1. **At large concentrations of bacteria, a false-negative (prozone) effect may be observed.**
2. **If beads appear aggregated in the negative control, sonicate before further use.**

REFERENCES

Medina, M., *et al.* Latex Agglutination Assays for Detection of Non-O157 Shiga Toxin-Producing *Escherichia coli* Serogroups O26, O45, O103, O111, O121, and O145. *J Food Protection*. 2012 May; (5):812-997.

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

BacTrace Anti- <i>E. coli</i> O26 Antibody	Cat. No. 01-95-92
BacTrace <i>E. coli</i> O26:H11 Positive Control	Cat. No. 50-95-92

BacTrace[®] Anti-*E. coli* O26 Latex Beads

Catalog No.

082-02-95-92

Size

1.0 mL

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.