

## Tests & Reagents Trusted by the USDA

Whether your needs are food safety, compliance, quality assurance, or research, Abraxis' anti-*E. coli* antibodies, test kits, and recombinant toxoids provide an extended offering of affordable test solutions for numerous formats such as ELISA, western blot, lateral flow, agglutination, immunoseparation, flow cytometry, and immunofluorescence.

Abraxis serves the O157 and non-O157 STEC meat testing market with both **IMS** (Immunomagnetic Separation) and **LAT** (Latex Agglutination Test) products that are vetted by the USDA and written into the USDA FSIS Microbiological Testing Guidelines. They are also in the official method for meat testing in Brazil.

## Shiga Toxin

### Recombinant Shiga Toxins

These purified recombinant Shiga toxoids have a point mutation that makes them non-catalytic, and nontoxic in the Vero cell toxicity test.

They can be used as standards in Shiga toxin assays, or for other research purposes.

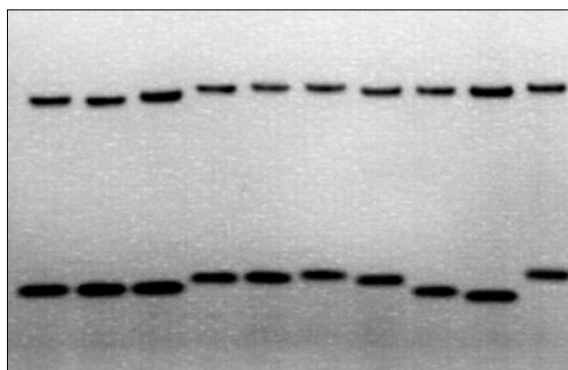
Part Number	Description
300900	Recombinant Stx1a (10 µg)
300905	Recombinant Stx1c (10 µg)
300910	Recombinant Stx1d (10 µg)
300920	Recombinant Stx2a (10 µg)
300925	Recombinant Stx2b (10 µg)
300930	Recombinant Stx2c (10 µg)
300935	Recombinant Stx2d (10 µg)
300940	Recombinant Stx2e (10 µg)
300945	Recombinant Stx2f (10 µg)
300950	Recombinant Stx2g (10 µg)

**Reference:** Validation of Two New Immunoassays for Sensitive Detection of a Broad Range of Shiga Toxins. Kong Q, Patfield S, Skinner C, Stanker LH, Gehring AG, Fratamico PM, et al.; Austin Immunol. (2016), 1(2): 1007.

### Shiga Toxin ELISA Kits

The most sensitive ELISAs available, differentiating between Stx1 & Stx2, and recognizing nearly all known Shiga toxin subtypes. Applications available for a variety of foods, including beef, leafy greens, water, and milk.

Part Number	Description
542000	Shiga Toxin 1 ELISA, Microtiter Plate (96T)
542010	Shiga Toxin 2 ELISA, Microtiter Plate (96T)



Purified recombinant Stx toxoids (1 µg) by SDS-PAGE, showing the 32 kDa A- and 7-kDa B-subunits. Image courtesy of Xiaohua He, USDA, Albany, CA.



◆ For O157 and non-O157 STEC Antibodies, IMS Beads, and Detection Kits, see other side ◆

## Antibodies and Detection Kits for *E. coli* O157 and non-O157 STEC:

Description	Antibodies				Kits	
	Monoclonals, Unconjugated	Monoclonals, HRP	Monoclonals, Biotin	Rabbit Polyclonals	Latex (LAT) Kits	IMS Magnetic Bead Kits
<b>Big 6 <i>E. coli</i> non-O157 STEC</b>						
Anti- <i>E. coli</i> O26	✓	✓	✓	✓	✓	✓
Anti- <i>E. coli</i> O45	✓	✓	✓	✓	✓	✓
Anti- <i>E. coli</i> O103	✓	✓	✓	✓	✓	✓
Anti- <i>E. coli</i> O111	✓	✓	✓	✓	✓	✓
Anti- <i>E. coli</i> O121	✓	✓	✓	✓	✓	✓
Anti- <i>E. coli</i> O145	✓	✓	✓	✓	✓	✓
<b><i>E. coli</i> O157:H7 STEC</b>						
Anti- <i>E. coli</i> O157	✓	✓	✓	✓	✓	✓
<b>Other <i>E. coli</i> STECs</b>						
Anti- <i>E. coli</i> O8				✓		
Anti- <i>E. coli</i> O55				✓		
Anti- <i>E. coli</i> O91				✓		
Anti- <i>E. coli</i> O104:H4				✓	✓	✓
Anti- <i>E. coli</i> O113				✓		
Anti- <i>E. coli</i> O118				✓		
Anti- <i>E. coli</i> O128				✓		
Anti- <i>E. coli</i> O165				✓		

**For complete product information please visit  
[www.abraxiskits.com/products/O157-and-non-O157-stec/](http://www.abraxiskits.com/products/O157-and-non-O157-stec/)**