

**Coli Surface Protein 17 (CS17) from Enterotoxigenic *Escherichia coli* (2 mg)**

**Catalog No. NR-50691**

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**Product Description:** NR-50691 is a preparation of coli surface protein 17 (CS17) purified from enterotoxigenic *Escherichia coli* (*E. coli*) (ETEC). CS17 was purified from *E. coli*, strain WS6788A, grown in colonization factor antigen (CFA) broth containing 0.15% bile salts in a fermenter. The protein was purified from the culture supernatant by ammonium sulfate precipitation.

**Lot<sup>1</sup>: 10282016-1.9**

**Manufacturing Date: 28OCT2016**

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Clear
SDS-PAGE (GelCode <sup>®</sup> Blue Stain Reagent)	15 kDa band represents > 95% of total staining intensity above background	15 kDa band represents > 95% of total staining intensity above background (Figure 1)
Confirmation of Identity by Western Blot <sup>2</sup> CS17 (NR-50691)	Reactive	Reactive (Figure 2)
Concentration by Bicinchoninic Acid Protein Assay	Report results	2 mg per mL
Endotoxin Content <sup>3</sup>	Report results	2.2 EU per µg protein
Sterility	0.22 µm filter sterilized	0.22 µm filter sterilized
Post-Purification Viability <sup>4</sup>	No growth	No growth

<sup>1</sup>Production and quality control was completed by the Department of Subunit Enteric Vaccines and Immunology (SEVI), Bacterial Diseases Branch, Walter Reed Army Institute of Research, Silver Spring, Maryland, USA.

<sup>2</sup>Using rabbit anti-CS17 serum

<sup>3</sup>Endosafe<sup>®</sup> LAL Assay from Charles River

<sup>4</sup>Presence of bacteria was tested by plating 100 µL of purified protein onto a Tryptic Soy agar plate which was incubated in an aerobic atmosphere at 37°C for 24 hours, in triplicate.

**Figure 1: SDS-PAGE of CS17**

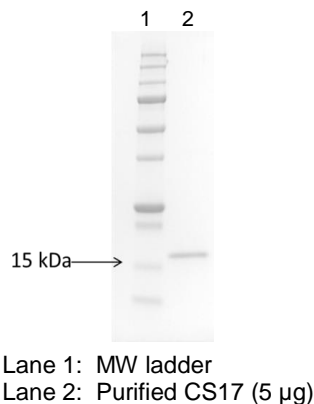
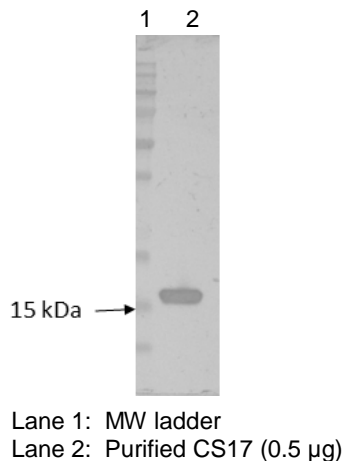


Figure 2: Western Blot of CS17



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Program Manager or designee, ATCC Federal Solutions

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