

Coli Surface Protein 2 (CS2) from Enterotoxigenic *Escherichia coli* (1 mg)
Catalog No. NR-50705

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Product Description: NR-50705 is a preparation of coli surface protein 2 (CS2) purified from enterotoxigenic *Escherichia coli* (*E. coli*) (ETEC). CS2 was purified from *E. coli*, strain C91f, grown in DME/F-12 (Dulbecco's Modified Eagle's medium and F-12 serum-free medium) broth in a fermenter. The protein was purified from the culture supernatant by ammonium sulfate precipitation.

Lot¹: 09222015-1
Manufacturing Date: 22SEP2015

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Clear
SDS-PAGE (GelCode® 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 ² CS2 (NR-50705)	Reactive	Reactive (Figure 2)
Concentration by Bicinchoninic Acid Protein Assay	Report results	1 mg per mL
Endotoxin Content ³	Report results	1.0 EU per µg protein
Sterility	0.22 µm filter sterilized	0.22 µm filter sterilized
Post-Purification Viability ⁴	No growth	No growth

¹Production 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.

²Using rabbit anti-CS2 serum

³Endosafe® LAL Assay from Charles River

⁴Presence 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.

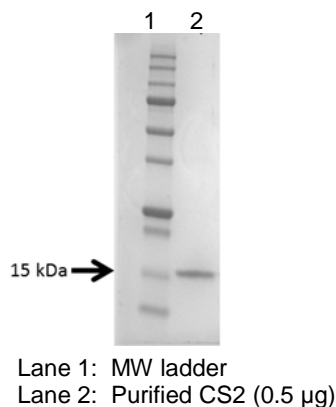
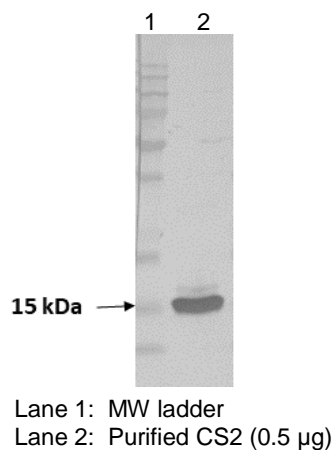
Figure 1: SDS-PAGE of CS2


Figure 2: Western Blot of CS2



25 MAY 2018

Program Manager or designee, ATCC Federal Solutions

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