

Coli Surface Protein 6 (CS6) from Enterotoxigenic *Escherichia coli*

Catalog No. NR-49115

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Product Description: NR-49115 is a preparation of coli surface protein 6 (CS6) purified from enterotoxigenic *Escherichia coli* (*E. coli*) (ETEC). CS6 was purified from *E. coli*, strain M346, grown in yeast extract broth in a fermenter under cGMP conditions in February 2002. The protein was purified from the culture supernatant by tangential flow filtration and stored as a bulk preparation, at approximately -80°C, until it was vialled.

Lot¹: 03242014-2

Manufacturing Date: 22FEB2002

| 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 CS6 (NR-49115) | Reactive | Reactive (Figure 2) |
| Concentration by Bicinchoninic Acid Protein Assay | Report results | 2.0 mg/mL |
| Endotoxin Content ³ | Report results | 0.3 EU/µg protein |
| Sterility | 0.22 µm filter sterilized | 0.22 µm filter sterilized |
| Post-Purification Viability ⁴ | No growth | No growth |

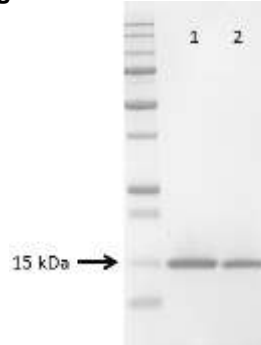
¹Production and quality control completed by Department of Subunit Enteric Vaccines and Immunology (SEVI), Bacterial Diseases Branch, Walter Reed Army Institute of Research, Silver Spring, Maryland, USA. The bulk material was thawed and vialled 24MAR2014. Quality control testing was completed at the time of vialing.

²Using rabbit anti-CS6 serum

³Endosafe[®] LAL Assay from Charles River

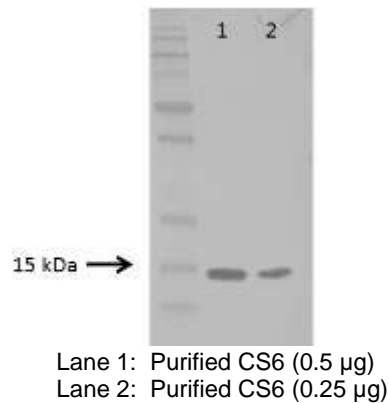
⁴Presence of bacteria was tested by plating 100 µL of purified protein onto a Tryptic Soy agar plate which was incubated in an aerobic atmosphere at 37°C for 24 hours, in triplicate.

Figure 1 — SDS-PAGE of CS6



Lane 1: Purified CS6 (5 µg)
Lane 2: Purified CS6 (2.5 µg)

Figure 2 — Western Blot of CS6



Date: 16 JAN 2015

Signature:

Title:

Technical Manager, BEI Authentication or designee

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