beiresources
BIODEFENSE & EMERGING INFECTIONS RESEARCH RESOURCES REPOSITORY

Certificate of Analysis for NR-12195

Escherichia coli Virulence Target CVD432 Primers

Catalog No. NR-12195

This reagent is the tangible property of the U.S. Government.

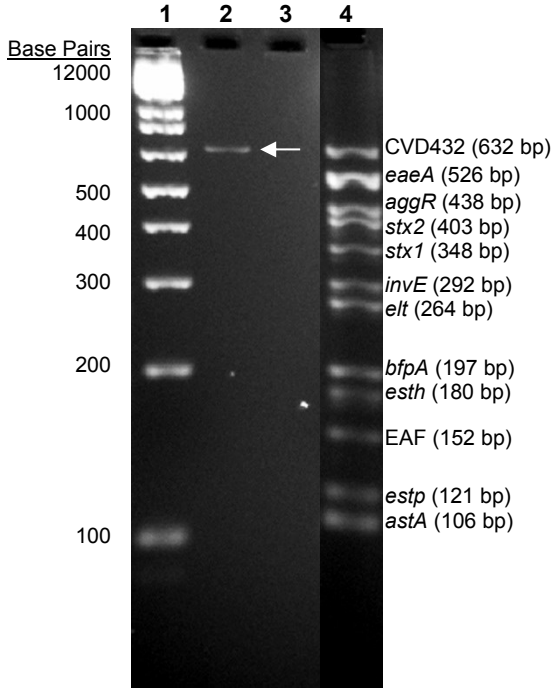
Product Description: NR-12195 contains forward and reverse primers that specifically amplify a region of the virulence target, CVD432, found on the virulence plasmid, pAA, of enteroaggregative *Escherichia coli* (*E. coli*; EAggEC). Note: *E. coli* 12-Target Multiplex PCR 10X Buffer (BEI Resources NR-13440) will be provided with your shipment of NR-12195.

Lot: 58459940 **Manufacturing Date: 22OCT2008**

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing[1,2] Amplicon size NCBI blast of sequence	 Expected size Expected sequence	 ~ 632 bp (Figure 1) CVD432
Specificity	Specific for CVD432	Specific for CVD432
Concentration of Each Primer	Report results	10 µM

[1]Genomic DNA from EAggEC, strain NCDC U14-41 (BEI Resources NR-3052) was used as template.
[2]The primers are described in Kimata, K., et al. "Rapid Categorization of Pathogenic *Escherichia coli* by Multiplex PCR." Microbiol. Immunol. 49 (2005): 485-492. PubMed: 15965295.

Figure 1: PCR Amplification of Virulence Target CVD432 using NR-12195 Primers and NR-3052 Template DNA



Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
Lane 2: Amplicon (NR-12195 primers and NR-3052 template DNA)
Lane 3: Negative control (NR-12195 primers without NR-3052 template DNA)
Lane 4: Virulence Target Ladder (BEI Resources NR-12150)

Biodefense and Emerging Infections Research Resources Repository
P.O. Box 4137
Manassas, VA 20108-4137 USA
www.beiresources.org
800-359-7370
Fax: 703-365-2898
E-mail: contact@beiresources.org

Certificate of Analysis for NR-12195

Date: 20 APR 2009 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Biodefense and Emerging Infections Research Resources Repository
P.O. Box 4137
Manassas, VA 20108-4137 USA
www.beiresources.org

800-359-7370
Fax: 703-365-2898
E-mail: contact@beiresources.org