

Escherichia coli Virulence Target *estp* Primers

Catalog No. NR-12205

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Product Description: NR-12205 contains forward and reverse primers that specifically amplify a region of the virulence target heat stable enterotoxin (isolated from pigs), *estp*, found on plasmid pCS1 of enterotoxigenic *Escherichia coli* (*E. coli*; ETEC). Note: *E. coli* 12-Target Multiplex PCR 10X Buffer (BEI Resources NR-13440) will be provided with your shipment of NR-12205.

Lot: 58459950

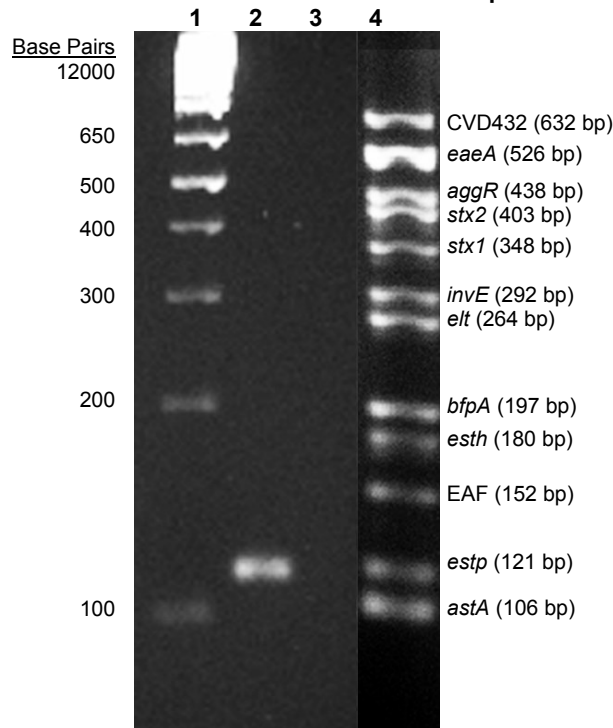
Manufacturing Date: 29OCT2008

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing^{1,2} Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 121 bp (Figure 1) <i>estp</i>
Specificity	Specific for <i>estp</i>	Specific for <i>estp</i>
Concentration of Each Primer	Report results	10 µM

¹Genomic DNA from ETEC, strain H10407 (BEI Resources NR-2647) was used as template.

²The primers were designed at BEI Resources.

Figure 1: PCR Amplification of Virulence Target *estp* using NR-12205 Primers and NR-2647 Template DNA



Lane 1: Invitrogen™ 1Kb Plus DNA Ladder™
 Lane 2: Amplicon (NR-12205 primers and NR-2647 template DNA)
 Lane 3: Negative control (NR-12205 primers without NR-2647 template DNA)
 Lane 4: Virulence Target Ladder (BEI Resources NR-12150)

Certificate of Analysis for NR-12205

Date: 02 MAY 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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