

Diarrheagenic *Escherichia coli* Virulence Target Ladder

Catalog No. NR-12150

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Product Description: NR-12150 is a DNA ladder that can be used for identification of 12 *Escherichia coli* (*E. coli*) virulence markers (sizes range from approximately 100 bp to 650 bp) and determination of the diarrheagenic pathotype. The ladder includes PCR amplicons containing regions of CVD432, *eaeA*, *aggR*, *stx2*, *stx1*, *invE*, *elt*, *bfpA*, *esth*, EAF, *estp*, and *astA* virulence markers that are found on the chromosome or on the plasmids of enterohemorrhagic, enteropathogenic, enterotoxigenic, enteroinvasive and enteroaggregative *E. coli* (EHEC, EPEC, ETEC, EIEC and EAggEC, respectively).

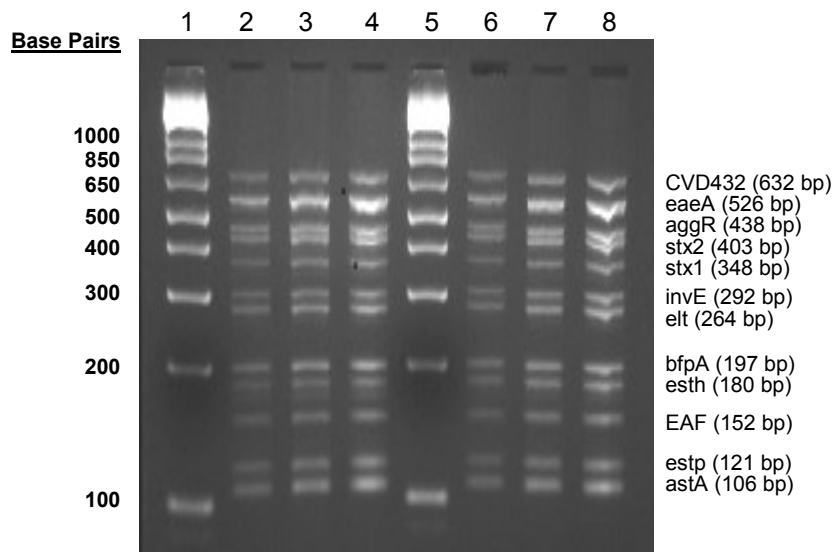
Lot: 60053706

Manufacturing Date: 27JUN2011

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis ¹ (Figure 1)	Co-migrate with NR-12150 lot 58461511	Co-migrate with NR-12150 lot 58461511

¹The primers for CVD 432, *aggR*, *bfpA*, *esth*, EAF and *astA* are described in Kimata, K., et al. "Rapid Categorization of Pathogenic *Escherichia coli* by Multiplex PCR." *Microbiol. Immunol.* 49 (2005): 485-492. PubMed: 15965295. The primers for the remaining virulence markers were designed at BEI Resources.

Figure 1: NR-12150 (4% Agarose Gel)



Lane 1: Invitrogen™ Trackit™ 1 Kb Plus DNA Ladder
 Lane 2: 3 µL of NR-12150 (lot 58461511)
 Lane 3: 5 µL of NR-12150 (lot 58461511)
 Lane 4: 8 µL of NR-12150 (lot 58461511)
 Lane 5: Invitrogen™ Trackit™ 1 Kb Plus DNA Ladder
 Lane 6: 3 µL of NR-12150 (lot 60053706)
 Lane 7: 5 µL of NR-12150 (lot 60053706)
 Lane 8: 8 µL of NR-12150 (lot 60053706)

Certificate of Analysis for NR-12150

Date: 20 APR 2012

Signature: *Dorothy C. Young*

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.

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