

## PRODUCT DESCRIPTION:

Each aliquot contains 10 µg of DNA extracted from a pure culture of *Escherichia coli*. The identification of this organism was confirmed by 16S sequencing. The purity of the culture was monitored by Gram staining and by additional culturing. The DNA was extracted from the cells following the bacterial protocol from the Qiagen® Genomic DNA Handbook using Qiagen® Genomic DNA Buffers with a 500/G genomic tip. DNA concentration and A<sub>260/280</sub> ratios are determined using a NanoDrop®. The extracted DNA also tested positive on an in-house real time PCR assay.

## INTENDED USE:

Purified Genomic DNA is designed for use as an amplification and/or detection control for nucleic acid testing of *Escherichia coli*. It can also be used to determine a limit of detection (LOD), in diagnostic assay development, cross-reactivity studies or genomic sequencing. When used as a control for nucleic acid tests, the same protocols as those used to amplify extracted clinical specimens should be employed.

## PRECAUTIONS:

- Use Universal Precautions when handling Genomic DNA.
- The material may be re-frozen after thawing. Repetitive freezing and thawing is not recommended (aliquot material if necessary).
- To avoid cross-contamination, use separate pipette tips for all reagents.

## RECOMMENDED STORAGE:

This control is supplied in TE Buffer and should be frozen at -20°C or below.

**DO NOT USE IN HUMANS. FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

These products are intended for research, product development or manufacturing use only. These products are NOT intended for use in the manufacture or processing of injectable products subject to licensure under section 351 of the Public Health Service Act or for any other product intended for administration to humans.

## \*EXPORT COMPLIANCE:

This organism is currently included on the Commerce Control List (15 C.F.R. 774, Supplement 1). **Export or re-export of such organism, certain genetic elements thereof and/or genetically modified organism is prohibited without the appropriate authorization or license from the Bureau of Industry and Security per the U.S. Export Administration Regulations (15 C.F.R. 730-774).**

The foregoing is offered for general informational purposes only; ZeptoMetrix makes no representations or warranties as to its accuracy, omissions or completeness. Recipient of organism is solely responsible for assessing its obligations and complying with all relevant U.S. and foreign export control laws and regulations with regard to such organism.

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REF	Catalog Number		Temperature Limitation
LOT	Batch Code		Expiration Date
RUO	For Research Use Only		Biological Risk
	Manufacturer		