

3050 Spruce Street, Saint Louis, MO 63103, USA  
Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)  
Email USA: [techserv@sial.com](mailto:techserv@sial.com)  
Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

Product Specification

Product Name:  
Inactivated Escherichia coli – Suitable for DNA extraction, PCR, sequencing, next generation sequencing,  
>10^8 bacteria/ml  
Product Number: MBD0017

Storage Temperature: -20 °C

TEST	Specification
Appearance (Form)	Liquid
Appearance (Color)	Colorless to Faint Yellow
Appearance (Turbidity)	Hazy to Hazy with Particles
Bacteria Identity (Purity)	≥ 95.0 %
Impurity < 5% single bacterium Escherichia genus	
DNA Extraction Capability	Conforms
High molecular weight chromosomal DNA band observed (light smear pattern may be observed)	
Functional Activity	~ 1500 Base Pair Amplicon
by PCR amplification of 16S ribosomal RNA gene(~ 1500 bp)	
Recommended Retest Period	-----
2 Years	

Specification: PRE.0.ZQ5.10000020195

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.