

Technical Datasheet

Analysis Name:	Detection & Enumeration of Presumptive <i>Escherichia coli</i> – MPN Technique.
Method Number	LIBR 079
Scope of Application:	Products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and food handling.
Description:	The detection and enumeration of presumptive <i>Escherichia coli</i> by means of the liquid-medium culture technique and calculation of the most probable number (MPN) after incubation at 37°C, then additional confirmation steps at 44°C.
Sample Weight Required:	25g.
Method Reference:	ISO-7251:2005
Analytical Platform:	Semi-Qualitative Method.
Special Information:	Some pathogenic strains of <i>Escherichia coli</i> do not grow at 44°C. A limitation of the applicability of this International Standard is imposed by the susceptibility of the method to a large degree of variability.

Analyte Reported	Unit of Measure	Limit of Quantification
Presumptive <i>E. coli</i> MPN Final	/g or /mL	< 0.3 /g or /mL
Presumptive <i>E. coli</i> MPN Final (10 Tube)	/100 mL	<1.1/100ml
Presumptive <i>E. coli</i> Presence/Absence	Presence/Absence	In 1mL, 1g, 10g