



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Absence of *Escherichia coli*

Method Number: USP EC

Scope of Application: This method is applicable to nutritional or dietary supplement matrices.

Description: This is a qualitative method for the detection *Escherichia coli*. Samples are enriched in Supplemented Soybean-Casein Digest Broth prior to being transferred to Macconkey Broth, then are sub-cultured on Macconkey agar to isolate *Escherichia coli*. Presumptive colonies are transferred to Levine Eosin-Methylene Blue agar. Characteristic colonies determine the presence of *Escherichia coli*.

Sample Weight Required: 25 g

Method Reference: United States Pharmacopeia <2022> Microbiological Procedures for Absence of Specified Microorganisms – Nutritional and Dietary Supplements

Analytical Platform: Cultural Method

Special Information: Strains of pathogenic *E. coli* which do not grow at 44 °C, such as *E. coli* O157, may not be detected.

Not validated for testing on foods or environmental samples. For samples that require Preparatory Testing see TDS for USP<2021> Preparatory Testing.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
E. coli Final Result		1g or 10g	Absence / Presence	