



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 TBX agar to isolate *Escherichia coli*. Presumptive isolates are run through the MALDI-ToF machine for confirmation.

**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	