



NQAC

Nestlé Quality Assurance Center  
Dublin

# Technical Datasheet

**Analysis Name:** Enterobacterial Count – Plate Method

**Method Number:** USP EB

**Scope of Application:** Nutritional supplements of all kinds, from raw materials to the finished forms.

**Description:** This modified validated USP has an aligned procedure to ISO-21528-2:2017 with differences in diluent and incubation temperature. These changes allow a more specific quantification of *Enterobacteriaceae* (EB) than the MPN procedure outlined by USP. Appropriate dilutions of sample are inoculated on a selective media (VRBG) using the pour plate method. The plates are incubated at 30 °C-35 °C for 24 ± 2 hours. Characteristic colonies are counted and reported as EB.

**Sample Weight Required:** 25g

**Method Reference:** United States Pharmacopeia <2021> Microbial Enumeration Tests – Nutritional and Dietary Supplements

ISO 21528-2:2017 Enumeration of Enterobacteriaceae: Colony Counting Technique

**Analytical Platform:** Cultural Method

**Special Information:** Some Gram-negatives, other than Enterobacteriaceae, may be included in the counts (e.g. Aeromonas spp., or Acinetobacter spp.)

Not validated for testing on foods or environmental samples.

For samples that require Preparatory Testing, see TDS for USP Preparatory Testing.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
EB Result		CFU / g	< 10 CFU / g	
EB Result		CFU / mL	<10 CFU / mL	