



NQAC

Nestlé Quality Assurance Center  
Dublin

## Technical Datasheet

**Analysis Name:** Enumeration of Aerobic Mesophilic Organisms Aerobic Plate Count Pour Plate 30°C

**Method Number:** LI-00.701

**Scope of Application:** Raw materials, line samples, finished products, products intended for feeding of animals, and environmental samples.

**Description:** Inoculation of a non-selective medium (PCA) using the pour-plate method, with aliquots of the appropriate dilutions of the analyzed product or of the test sample if the product is liquid. Incubation at 30°C for 72 hrs and enumeration of the colonies.

**Sample Weight Required:** 25 g

**Method Reference:** ISO 4833:2003: Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of micro-organisms – Colony-count technique at 30°C.

**Analytical Platform:** Cultural Method

**Special Information:** A shortened incubation period of  $48 \pm 2$  hours at 35-37°C for all matrices or at 32°C for milk (FDA,2001) is possible. In such cases the equivalence to results obtained at 30°C for 72 hours should be verified. Results may depend on the type of flora (e.g. higher counts at 35-37°C when thermophilic spores are present).

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
APC Result (30°C)		CFU/g	< 10 CFU/g	
APC Result (30°C)		CFU/mL	< 1 CFU/mL	