



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Mold and Yeast Plate Count

Method Number: NQA-00.4100

Scope of Application: All food products.

Description: Aliquots of a homogenized, serially diluted sample are dispensed into sterile petri dishes. An acidified medium designed to inhibit bacterial growth is added and mixed with the aliquots. After solidification, the petri dishes are incubated at 24°C for 5 days. After incubation, colony-forming units are counted and recorded.

Sample Weight Required: 25 g

Method Reference: FDA Bacteriological Analytical Manual, 1992, 7th Ed., Chapter 18.

Analytical Platform: Cultural Method

Special Information: Mold and/or yeast present in some low a_w products may not be recovered by this method due to their osmophilic nature and/or osmotic shock incurred during the test. If such organisms are suspected to be present in a sample, the Osmophilic Mold and Yeast Plate Count method should be used.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Mold Result		CFU/g CFU/mL CFU/swab	< 10 CFU/g <1 CFU/mL <10 CFU/swab	
Yeast Result		CFU/g CFU/mL CFU/swab	< 10 CFU/g <1 CFU/mL <10 CFU/swab	