



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Coagulase-Positive Staphylococci MPN

Method Number: ISO-6888-3:2003

Scope of Application: Raw materials, line samples, and finished products intended for use by sensitive consumers (infant, immunocompromised, elderly, etc.).

Description: This method is used for the detection of low levels of coagulase-positive staphylococci using Most Probable Number (MPN) technique. Samples are weighed and transferred into a selective enrichment broth and incubated at 37°C anaerobically for 48 hours. Samples are further subcultured onto a selective medium and incubated at 37°C anaerobically for 48 hours. Presumptive coagulase-positive staphylococci are confirmed by a coagulase reaction.

Sample Weight Required: 25 g

Method Reference: ISO-6888-3:2003

Analytical Platform: MPN Method

Special Information: Coagulase-positive staphylococci will primarily be *Staphylococcus aureus* but *Staphylococcus intermedius* and some strains of *Staphylococcus hyicus* also produce coagulase.

Recommended for products where staphylococci are expected to be stressed and in low numbers as, for example, in dried products.



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Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
CPS MPN Final		Per g or Per mL	<0.3/g or /mL >110/g or /mL	
CPS Presence/ Absence Final		Detected / Not Detected	In 1mL, 1g, 10g	