



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 sub cultured 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.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Coagulase-Positive Staphylococci MPN		Per g or Per mL	<0.3/g or /mL >110/g or /mL	



NQAC

Nestlé Quality Assurance Center
Dublin

Coagulase- Positive Staphylococci Presence/ Absence		Presence/ Absence	In 1mL, 1g, 10g	
---	--	----------------------	-----------------	--