

Technical Datasheet

Analysis Name:	Enumeration of coagulase-positive <i>Staphylococcus</i> (<i>Staphylococcus aureus</i> and other species) using the MPN technique
Method Number	LIBR 078
Scope of Application:	Products intended for human consumption and animal feed, and environmental samples from areas of production and handling of food products.
Description:	This method is recommended when a low count or the presence of injured cells is expected, for example, in dehydrated products. Coagulase positive <i>Staphylococcus</i> microorganisms are mainly <i>Staphylococcus aureus</i> , but <i>Staphylococcus intermedius</i> and some strains of <i>Staphylococcus hyicus</i> also produce coagulase.
Sample Weight Required:	25g or more depending on the level of detection required.
Method Reference:	ISO 6888-3:2003.
Analytical Platform:	Cultural method.
Special Information:	Confirmation of coagulase-positive <i>Staphylococcus</i> is based on a strong coagulase reaction, but it is recognized that some strains provide weak reactions. These strains can be confused with other bacteria but can be evidenced through additional tests such as thermonuclease production.

Analyte Reported	Unit of Measure	Limit of Quantification
<i>Staphylococcus coagulase positiva NMP</i>	Per g or ml	<0.3 g or mL >110 g or mL
<i>Staphylococcus coagulase positiva Pres/Abs</i>	Presence / Absence	In 100 g, 10 g, 1g