

Technical Datasheet

Analysis Name:	Enumeration of Bacterial Spores
Method Number	LI-00.718
Scope of Application:	Raw materials, line, and finished products.
Description:	A quantitative method for the enumeration of spores. A specified quantity of an initial suspension of the test sample is submitted to a heat treatment that aims at the elimination of all vegetative cells. Depending on the intensity of the heat treatment it may also inactivate spores with a low heat resistance, e.g. to select for spores that are more relevant for the microbiological stability retorted products. Poured Petri dishes are prepared using a specified non-selective culture medium and a specified quantity of the heat-treated initial suspension or decimal dilutions thereof. After incubation, the number of CFU of spores per g or mL of product is calculated from the number of colonies on dishes chosen at dilution levels so as to give a significant result.
Sample Weight Required:	25g
Method Reference:	There is no internationally accepted reference method for the enumeration of spores.
Analytical Platform:	Cultural method.
Special information:	See table 1 of LI-00.718.

Analyte Reported	Unit of Measure	Limit of Quantification
Spore	Per g/mL	< 10/g < 1 /mL