

# Technical Datasheet

**Analysis Name:** Enumeration of Sulfite-Reducing Anaerobic Bacteria

**Method Number** LIBR 083

**Scope of Application:** Products intended for human consumption and for the feeding of animals, and environmental samples in the area of food production and food handling.

**Description:** A quantitative method for the enumeration of mesophilic or thermophilic sulfite-reducing bacteria in vegetative and spore forms. To enumerate vegetative cells, samples are plated directly onto a selective medium and incubated under anaerobic conditions at 37°C for mesophilic bacteria or 50°C for thermophilic bacteria for 24 – 48. To enumerate spores, samples are heat treated for 15 min at 75°C prior to plating as described for vegetative cells. Typical colonies are counted as sulfite reducing bacteria.

**Sample Weight Required:** 25g.

**Method Reference:** ISO-15213:2003.

**Analytical Platform:** Cultural method.

**Special Information:** All typical colonies are subject to confirmation test that differentiates Clostridia from facultative anaerobic sulfite reducing bacteria. Only confirmed Clostridia count is reported.

Analyte Reported	Unit of Measure	Limit of Quantification
Anaerobic Mesophilic Vegetative Result	CFU / g CFU / ml	< 10 CFU / g <1 CFU / ml
Anaerobic Mesophilic Spore Result	CFU / g CFU / ml	< 10 CFU / g <1 CFU / ml
Anaerobic Thermophilic Vegetative Result	CFU / g CFU / ml	< 10 CFU / g <1 CFU / ml
Anaerobic Thermophilic Spore Result	CFU / g CFU / ml	< 10 CFU / g <1 CFU / ml