

# Technical Datasheet

<b>Analysis Name:</b>	Detection and Enumeration of Coliforms – Most Probable Number Technique
<b>Method Number</b>	LIBR 086
<b>Scope of Application:</b>	Products intended for human consumption and for the feeding of animals and environmental samples in the area of food production and food handling.
<b>Description:</b>	This ISO 4831:2006 specifies a horizontal method for the detection and enumeration of coliforms using the Most Probable Number (MPN) technique. Enumeration is carried out by calculation of the most probable number (MPN) after incubation in a liquid medium at 30°C or 37°C.
<b>Sample Weight Required:</b>	25 g.
<b>Method Reference:</b>	ISO-4831:2006
<b>Analytical Platform:</b>	Semi-Qualitative Method.
<b>Special Information:</b>	This enumeration method is applicable when the number sought is expected to be in the range 1 to 100 per millilitre or per gram of test sample.

Analyte Reported	Unit of Measure	Limit of Quantification
Coliform MPN 30°C	Per g or ml	<0.3/g or /ml
Coliform MPN 37°C	Per g or ml	<0.3/g or /ml
Presence/Absence Coliform 30°C	Presença / Ausência	In 1g, 1ml
Presence/Absence Coliform 37°C	Presença / Ausência	In 1g, 1ml
(Water) Coliform 30°C	Per 100 mL	<1.1/100ml
(Water) Coliform MPN 37°C	Per 100 mL	<1.1/100ml