

Technical Datasheet

Analysis Name:	Enumeration of cultivable microorganisms. LIBR 124
Method Number	It is applicable to all types of water. It is especially applicable for water intended for human consumption, including bottled water and rinse water for packaging testing.
Scope of Application:	
Description:	Describes the method for enumeration of water-cultivable microorganisms by the technique of counting colonies formed on nutrient agar after aerobic incubation at 36°C ± 2°C and 22°C ± 2°C.
Sample Weight Required:	100 ml.
Method Reference:	ISO 6222:1999.
Analytical Platform:	Cultural method.
Special Information:	If the plate shows more than 300 colonies in the deep plating (or more than 100 colonies in the filtration method), express the result as > 300 CFU/mL (or >100 in the filtration method). Consider the dilution.

Analyte Reported	Unit of Measure	Limit of Quantification
Cultivable microorganisms 36°C	CFU/ ml	CFU / 1 mL (in the deep) CFU / 100 mL (filtration)
Cultivable microorganisms 22°C	CFU/ ml	CFU / 1 mL (in the deep) CFU / 100 mL