

# Technical Datasheet

**Analysis Name:** Detection and enumeration of Intestinal *Enterococci* in water by the membrane filter method.

**Method Number** LIBR 098.

**Scope of Application:** It is especially applicable for the evaluation of drinking water, swimming pool and other clean and disinfected. However, the method can be applied to all types of water, except when a large amount of suspended matter or interfering microorganisms. It is particularly applicable for the analysis of a high volume of water containing a low level of fecal *Enterococci*.

**Description:** Intestinal Enterococci enumeration is based on the filtration of a specific volume of water sample through a membrane with a pore (0.45 µm) sufficient to retain the bacteria. The filter is positioned on the surface of a solid selective medium containing sodium azide (to suppress the growth of Gram-negative bacteria) and 2,3,5-triphenyltetrazolium chloride, a colorless dye, which is reduced to red formazan by Intestinal Enterococci.

**Sample Weight Required:** 100 ml.

**Method Reference:** ISO 7899-2:2000

**Analytical Platform:** Cultural Method.

**Special Information:** The maximum number that can be accurately counted is 100 colonies.

| Analyte Reported                     | Unit of Measure | Limit of Quantification |
|--------------------------------------|-----------------|-------------------------|
| Intestinal <i>Enterococci</i> Result | CFU/ml          | < 1 CFU/ml              |