

**MM0029**

## **Maximal recovery diluent**

### **Use and description:**

For the transportation and recovery of microorganisms acc. ISO/DIS 6649. This solution protects organisms by peptone and physiological saline osmotic support.

### **Composition per liter:**

Sodium Chloride.....8.5 g  
Peptone.....1.0 g

**Final pH of the ready to use medium:** 7.0±0.2

### **Medium preparation:**

Add 9,5 grams of dehydrated culture medium to 1 liter of distilled water. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave for 15 min at 121°C. To 10 g test samples add 90 ml of sterile MRD and blend it. Make 10x serial dilutions from the macerate and add 1 ml of it to the chosen medium on 45-50 C. Let it solidify and incubate.

### **Quality specifications:**

Dehydrated medium: homogeneous, white fine powder.  
Ready to use medium: colorless clear solution.

### **Storage:**

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.