

**MM0112**

## **RC Broth** **(Reinforced Clostridial Broth)**

### **Use and description:**

RC Broth can be used to initiate growth from small inocula and to obtain the highest variable count of Clostridia.

This media can be made selective by addition of 15-20 mg of Polymixin –B per litre of media

### **Composition per liter:**

Acid Casein .....10.0g  
Glucose ..... 5.0 g  
Yeast Extract ..... 3.0 g  
Meat extract .....10.0g  
Bacto Agar .....0.5 g  
Starch.....1,0 g  
Sodium Chloride .....5.0g  
L-Cysteine HCL.....0.5 g  
Sodium Acetate .....3.0 g

**Final pH of the ready to use medium:** 6.8 ± 0.2

### **Medium preparation:**

Add 38 grams of dehydrated culture medium to 1 liter of distilled water. Mix well and dissolve by heating frequent agitation

Autoclave at 115C for 15 minutes. Should be stored at 2-8C.

### **Quality specifications:**

Dehydrated medium: cream to yellow free flowing powder.

Ready to use medium: light yellow-yellowish

### **Microbiological response: ( anaerobic atm after incubation at 35-37C for 24-48H**

<b>Organism</b>	<b>inoculum CFU</b>	<b>Growth</b>
<i>Clostridium sporogenes</i> ATCC11437	50-100	good – very good
<i>Clostridium sporogenes</i> ATCC 19404	50-100	good-very good
<i>Bacteroides vulgatus</i>	50-100	good-very good
<i>Bacteroides fragilis</i> ATCC 23745	50-100	good very good
<i>Clostridium perfringens</i> ATCC 13124	50-100	good – very good