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<b>24 LEB BASE CM1107</b>		

## 24 LEB BASE

**CM1107**

### Typical Formula\*

grams per litre

Peptone	23.4
Yeast extract	5.0
Lithium chloride	10.0
Ferric ammonium citrate	0.1
Sodium chloride	5.0

\* adjusted as required to meet performance standards

### Directions

Dissolve 21.75g in 500ml of distilled water. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and aseptically add the contents of 1 vial of 24 LEB Selective Supplement (SR0243E) reconstituted as directed. Mix well and aseptically dispense into sterile containers.

### Physical Characteristics

Straw, free-flowing powder  
 Colour on reconstitution - straw 3  
 Moisture level - less than or equal to 7%  
 pH - 7.4 ± 0.2 at 25°C  
 Clarity - clear

### Microbiological Tests Using Optimum Inoculum Dilution


Control Media: Brilliance™ Listeria Agar (ISO) or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

### Reactions after incubation at 37 ± 1°C for 24 hours

Tested with the addition of LEB Selective Supplement SR0243

Inoculate 10ml quantities of medium to achieve 1-10 colony-forming units/ml (cfu/ml) of *Listeria* spp. Incubate broths at 37 ± 1°C for 24 hours. Subculture onto Brilliance™ Listeria Agar (ISO) (CM1212, SR0257 & SR0258) and incubate plates at 37°C for 24-48 hours.

Recovery of greater than 1E+05 cfu/ml is obtained for the subsequent organism;

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*Listeria monocytogenes* ATCC®35152

Recovery of greater than 1E+07 cfu/ml is obtained for the subsequent organisms;

*Listeria monocytogenes* ATCC®13932

*Listeria innocua* ATCC®33090


Inoculate 10ml quantities of medium to achieve greater than 1E+03 cfu/ml of the test organism. Incubate broths at 37 ± 1°C for 24 hours.

The following reactions are obtained for the subsequent organisms;

*Bacillus cereus* ATCC®10876 No growth to turbid growth

*Enterococcus faecalis* ATCC®29212 No growth to turbid growth

*Escherichia coli* ATCC®25922 No growth

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### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological characteristics	Change of Listeria plating media	Change control	MOC-2024-0065