

## M16 Medium

With Sodium bicarbonate and Sodium lactate

**Product Code: AL143**

### Product Description :

M16 Medium is a modified Kreb's-Ringer bicarbonate solution used for culture of preimplantation stage mouse embryos. Pyruvate and lactate present in the medium serve as energy sources since preimplantation embryos do not utilize glucose efficiently.

AL143 is M16 medium with sodium bicarbonate and sodium lactate. It does not contain penicillin, streptomycin and HEPES buffer. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements.

### Composition :

Ingredients	mg/L
<b>INORGANIC SALTS</b>	
Calcium chloride dihydrate	251.000
Magnesium chloride anhydrous	165.000
Potassium chloride	356.000
Potassium dihydrogen phosphate	162.000
Sodium bicarbonate	2101.000
Sodium chloride	5532.000
<b>OTHERS</b>	
Albumin bovine fraction V	4000.000
D-Glucose	1000.000
Lactic acid sodium salt	2950.000
Phenol red sodium salt	10.000
Pyruvic acid sodium salt	36.000

### Directions :

Supplement with 0.06g/L Penicillin G potassium salt (TC187) and 0.05 g/L Streptomycin sulfate (TC035)

### Material required but not provided :

Penicillin G potassium salt (TC187)  
Streptomycin sulphate (TC035)

### Quality Control:

#### Appearance

Orangish red colored, clear solution.

#### pH

7.00 -7.60

#### Osmolality in mOsm/Kg H<sub>2</sub>O

290.00 -330.00

#### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

### Storage and Shelf Life:

Store at 2-8°C away from bright light

Shelf life is 12 months.

Use before expiry date given on the product label.

Revision : 01 / 2018

### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ Publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.