Waymouth Medium MB 752/1

With L-Glutamine and Sodium bicarbonate
1X Liquid Cell Culture Medium

Product Code: AL091A

Product Description :

Waymouth Medium MB 752/1 was developed in 1959 for the cultivation of mouse L cells, NCTC clone 929. Waymouth's medium is a comparatively simple medium with lesser ingredients than its other synthetic counterparts. The medium comprises of amino acids, vitamins, the purine base hypoxanthine, salts, and glucose. This medium can be used for culturing many fastidious cell lines and also whole organ culture.

AL091A is Waymouth Medium MB 752/1 with L-glutamine and sodium bicarbonate. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

Composition :

Ingredients	mg/L
INORGANIC SALTS	
Calcium chloride dihydrate	120.000
Disodium hydrogen phosphate anhydrous	300.000
Magnesium chloride anhydrous	112.560
Magnesium sulphate anhydrous	97.720
Potassium chloride	150.000
Potassium dihydrogen phosphate	80.000
Sodium bicarbonate	2240.000
Sodium chloride	6000.000
AMINO ACIDS	
Glycine	50.000
L-Arginine hydrochloride	75.000
L-Aspartic acid	60.000
L-Cysteine hydrochloride	90.000
L-Cystine dihydrochloride	19.550
L-Glutamic acid	150.000
L-Glutamine	350.000
L-Histidine hydrochloride	150.000
L-Isoleucine	25.000
L-Leucine	50.000
L-Lysine hydrochloride	240.000
L-Methionine	50.000
L-Phenylalanine	50.000
L-Proline	50.000
L-Threonine	75.000
L-Tryptophan	40.000
L-Tyrosine disodium salt	57.660
L-Valine	65.000
VITAMINS	
Ascorbic acid	17.500
Biotin	0.020
Choline chloride	250.000
D-Ca-Pantothenate	1.000
Folic acid	0.400
Niacinamide	1.000
Pyridoxine hydrochloride	1.000
Riboflavin	1.000
Thiamine hydrochloride	10.000
Vitamin B12	0.200
i-Inositol	1.000
OTHERS	
D-Glucose	5000.000
Glutathione reduced	15.000
Hypoxanthine sodium salt	29.000
Phenol red sodium salt	11.000

Quality Control:

Appearance
Red colored, clear solution.

pH
7.00 -7.60

Osmolality in mOsm/Kg H2O
300.00 -340.00

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

Cultural Response
The growth promotion capacity of the medium is assessed qualitatively by analyzing the cells for the morphology and

quantitatively by estimating the cell counts and comparing it with a control medium through minimum three subcultures.

Enotoxin Content
NMT 5EU/ml

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 : 1 / 2012