# **DMEM High Glucose product information**



#### [Product Name]

Name: DMEM, High Glucose, without Sodium Pyruvate, Phenol Red, with L-Glutamine Cat. No: C3112-0500、C3112-0100 Specifications: 500ml、100ml

#### [Product Description]

DMEM, High Glucose, without Sodium Pyruvate, with L-Glutamine is one of the most widely used modification of Eagle's medium. DMEM is a modification of Basal Medium Eagle (BME) that contains four fold concentration of amino acids and vitamins. Additionally, the formulation also includes glycine, serine that contains four fold concentration of amino acids and ferric nitrate. The original formulation contains 1000mgs glucose per litre and was originally used to culture embryonic mouse cells. DMEM high glucose is a further modification of original DMEM and contains 4500mgs glucose per litre. The additional glucose has proved to be useful in cultivating various other cell lines including primary cultures of mouse and chicken cells as well as various normal and transformed cell lines.

It is super low endotoxin SLE<sup>TM</sup> grade, Endotoxin  $\leq 0.01$ EU/ml by LAL method. The production process and quality management system meet the requirements of cGMP and has passed ISO13485 certification.

It does not contain trace elements. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

#### [Composition]

	Mg/L
drate	265.000
rate	0.100
anhydrous	97.720
	400.000
	6400.000
nosphate	109.000
	30.000
ide	84.000
ride	62.570
	584.000
ide	42.000
	105.000
	105.000
9	146.000
	30.000
	66.000
	42.000
	95.000
	16.000
alt	103.790
	94.000
	4.000
	rate anhydrous nosphate ide ide

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PI-C3112 V1.0

4.000 (c). Insolubility; 4.000 (d). And/or decrease in expected performance

parameters. Any material described above should not be used and therefore discarded.

## [Procedure]

1. Take a bottle from the defined storage conditions at 2-8°C and read the label. 2. Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol. 3. Using aseptic/sterile technique under a laminarflow culture hood, work according to established protocols.

4. Antibiotics may be added if desired.

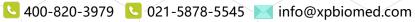
## [Quality Control]

DMEM, High Glucose, without Sodium Pyruvate, Phenol red, with L-Glutamine is tested for sterility, pH, osmolality and endotoxin concentrations. In addition, each batch is tested for cell growth using A549.

# [Precaution and Disclaimer]

For research use only, not for clinical diagnosis and treatment.

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D-Ca-Pantothenate Folic acid 4.000 Nicotinamide Pyridoxal hydrochloride 4.000 Riboflavin 0.400 Thiamine hydrochloride 4.000 7.200 i-Inositol **OTHERS** 

#### 1000.000 D-Glucose 3700.000 Sodium bicarbonate

## [Storage and Stability]

DMEM, High Glucose, without Sodium Pyruvate, with L-Glutamine should be kept 2-8°C. The product is light -sensitive and therefore should not be left in the light. When stored in the dark

under ideal conditions, the product is stable until the expiry date.

As with any other liquid media formulations, deterioration of liquid media may be recognized by any of the following characteristics, among others including:

(a). Color Change;

(b). Presence of clumping/flocculent debris/ granulation/ particulates\ precipitates or sediments: