

## Specification Sheet

D6429 Sigma-Aldrich

# Dulbecco's Modified Eagle's Medium - high glucose

With 4500 mg/L glucose, L-glutamine, sodium pyruvate, and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture

Synonym: DME, DMEM



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
D6429-500ML	Available to ship on 15.04.2021 - FROM	500 mL		<input type="text" value="0"/>
D6429-1L	Estimated to ship on 28.04.2021 - FROM	1 L		<input type="text" value="0"/>
D6429-6X500ML	Estimated to ship on 13.07.2021 - FROM	6 x 500 mL		<input type="text" value="0"/>
D6429-6X1L	Estimated to ship on 13.07.2021 - FROM	6 x 1 L		<input type="text" value="0"/>
D6429-24X500ML	Estimated to ship on 08.06.2021 - FROM	24 x 500 mL		<input type="text" value="0"/>

## Properties

Related Categories

Apoptosis and Cell Cycle, Cell Biology, Cell Culture, Cell Culture Media, Cell Signaling and Neuroscience,

[More...](#)



Quality Level	300
sterility	sterile-filtered
form	liquid
application(s)	cell culture   mammalian: suitable
impurities	endotoxin, tested
components	glucose: high sodium pyruvate: yes HEPES: no NaHCO <sub>3</sub> : yes L-glutamine: yes phenol red: yes
shipped in	ambient
storage temp.	2-8°C

## Description

### General description

This DMEM-Hi glucose medium is a 1x complete medium with sodium pyruvate added. It also differs from the original DMEM-Hi formulation wherein pyridoxine is substituted for pyridoxal. Pyridoxal is an unstable component of media.

### Application

Dulbecco's Modified Eagle's Medium - high glucose has been used for cell culture.<sup>[2][3][1]</sup>

Dulbecco's Modified Eagle's Medium (DMEM) is a modification of Basal Medium Eagle (BME) that contains four-fold concentrations of the amino acids and vitamins. The original formulation contained 1000 mg/L of glucose and was used to culture embryonic mouse cells. Since then, it has been modified in several ways to support primary cultures of mouse and chicken cells, as well as a variety of normal and transformed cells. Each of these media offers a different combination of L-glutamine and sodium pyruvate. Additionally, the glucose levels have been raised to 4500 mg/L, contributing to the name "DMEM/High".

### Linkage

Need FBS? We can assist with your serum planning. Please visit the [Serum Planner](#) for more information.

