



# DELTA™

LIFE SCIENCES

گروه تحقیقاتی علوم زیستی دلتا

## DMEM/F-12



### Description

DMEM/F-12 (Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12) is a widely used basal medium for supporting the growth of many different mammalian cells. Cells successfully cultured in DMEM/F-12 include MDCK, glial cells, fibroblasts, human endothelial cells, and rat fibroblasts. We offer a variety of DMEM/F-12 modifications for a range of cell culture applications. Find the right formulation using the **media selector tool**.

#### This DMEM/F-12 is modified as follows:

With	Without
• L-glutamine	• HEPES
• Phenol Red	

#### Using DMEM/F-12

DMEM/F-12 is a 1:1 mixture of DMEM and Ham's F-12. This formulation combines DMEM's high concentrations of glucose, amino acids, and vitamins with F-12's wide variety of components. DMEM/F-12 contains no proteins, lipids, or growth factors. Therefore, DMEM/F-12 may require supplementation, commonly with 10% **Fetal Bovine Serum (FBS)**. DMEM/F-12 uses a sodium bicarbonate buffer system and therefore requires a 5–10% CO<sub>2</sub> environment to maintain physiological pH.

### Specifications

<b>Glutamine:</b>	L-Glutamine
<b>Phenol Red Indicator:</b>	Phenol Red
<b>Form:</b>	Liquid
<b>HEPES Buffer:</b>	No HEPES
<b>Sodium Pyruvate Additive:</b>	Sodium Pyruvate
<b>Serum Supplementation:</b>	Standard Serum Supplementation
<b>Volume:</b>	500 ml
<b>Glucose:</b>	High Glucose
<b>Product Size:</b>	500 mL
<b>Green Features:</b>	Sustainable packaging
<b>Shipping Condition:</b>	Room Temperature

### Contents & storage

Storage conditions: 2°C to 8°C (protect from light)  
 Shipping conditions: Ambient  
 Shelf life: 12 months from date of manufacture