

DMEM/F-12 PLUS Basal Medium

Basal Media

Cat. # **SCM162**

pack size: **500 ml**

FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.
NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Store at 2-8°C



Data Sheet

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Background

DMEM/F-12 PLUS is an advanced formulation of Dulbecco's Modified Eagle Medium/Ham's F-12 basal media that can be used in a broad array of cell lines for applications that require reduced or no serum supplementation. Cell lines cultured in DMEM/F12 PLUS and reduced serum exhibit equivalent or superior cell growth while maintaining the same cell morphology and function as in high serum conditions. Applications for DMEM/F12 PLUS include but are not limited to the following:

- Culture of primary, stem cells and cell lines in applications that require reduced or serum-free medium.
- Optimization of transfections that require reduced or serum-free conditions.
- Production of conditioned medium in reduced serum or serum-free conditions.
- Optimized media for the culture and expansion of multiple 3D organoids and tissues systems.

DMEM/F12 PLUS is a proprietary formulation that contains human serum albumin (HSA), defined lipids, trace elements, chemicals and proteins essential for optimal cell growth in reduced serum conditions. The media contains high-glucose and does not contain L-glutamine or penicillin-streptomycin.

Storage

Store at 2-8°C. Before use, aliquot into smaller volumes to avoid contamination. Protect from light when not in use. Acclimate the medium at room temperature for 15-20 minutes before use. Do not warm media at 37°C before use.

Quality Control

Appearance (color): Clear, Red Liquid

Osmolality: 290-330 mOsm

pH: 7.2-7.4

Sterility Tested: No Growth/Pass

Endotoxin: <2 EU/mL

Mycoplasma: Negative

Representative Data

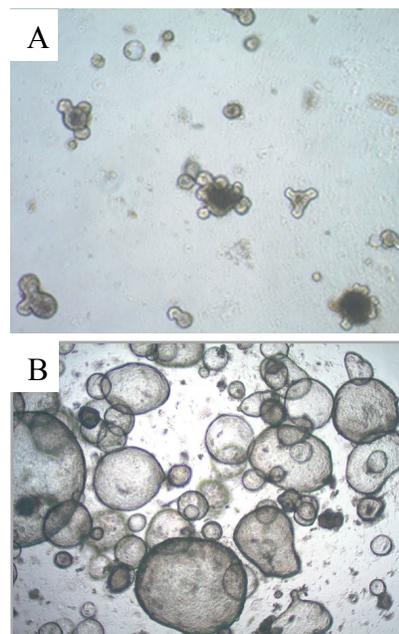


Figure 1. DMEM/F-12 PLUS Basal Medium can be used to culture primary mouse intestinal organoids (A), human iPSC derived colon organoids (B) and in the generation of conditioned medium for organoid cultures (data not shown).

Please visit www.milliporesigma.com for additional product information and references.

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DMEM/F-12 PLUS Basal Medium

Cat # SCM162

Related Products

Product Description	Cat. No.
3dGRO™ Human iPSC Derived Colon Organoids	SCC300
3dGRO™ Human Colon Organoid Expansion Medium	SCM304
3dGRO™ R-Spondin-1 Conditioned Media Supplement, 10 mL	SCM104
3dGRO™ Organoid Dissociation Reagent	SCM300
3dGRO™ Organoid Freeze Medium	SCM301
Definitive Endoderm Induction Medium	SCM302
Hindgut Endoderm Induction Medium	SCM303

■ antibodies ■ Multiplex products ■ biotools ■ cell culture ■ enzymes ■ kits ■ proteins/peptides ■ siRNA/cDNA products

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