



## FBS Supplement

Cat. No.: CC005-0010

Size: 10 ml

Store at -20°C

### Description

FBS Supplement is a mixture of nutrient and designed to reduce serum in culture medium for cell proliferation. It is suitable for general basal media (e.g. MEM, DMEM, and RPMI-1640) and complex media (e.g. Ham's F-12 or DMEM/F12). The usage of FBS supplement is convenient and easy. To mix FBS supplement with fetal bovine serum (FBS) in ratio of 2 to 8. The mixture could be considered as serum replacement in culture medium. When cells are cultured within medium contained FBS Supplement/FBS mixture, proliferation is reported to be similar to those which are in medium supplemented with serum. Application of FBS Supplement could reduce serum in culture.

### Features

- Economical alternative to FBS
- Performance comparable with FBS
- Low endotoxin and hemoglobin levels

### Application

- FBS replacement of cell culture.

### Kit Content

Content	CC005-0010
FBS Supplement	10 ml

### Quality Control

The quality of the FBS Supplement is tested on a lot-to-lot basis to ensure consistent product quality.

### Required Materials

- Cell culture medium
- FBS
- Antibiotic-Antimycotic/ Penicillin-Streptomycin

### Protocol

1. Prepare a mixture of 2 ml of FBS Supplement and 8 ml of FBS.
2. The mixture is sufficient for 89 ml of medium. In general, it is suggested to add 1 ml of Antibiotics (100X) to resisting the microbial growth.

### Troubleshooting

Refer to the table below to troubleshooting problems that you may encounter when did culture cells with the supplement.

Problem	Cause	Solution
Poor growth	Incorrect concentration	Optimum concentration

### Related Ordering Information

Cat. No.	Description	Size
CC103-0500	DMEM, High Glucose	500 mL
CC108-0500	DMEM, Low Glucose	500 mL
CC109-0500	RPMI 1640	500 mL
CC116-0500	MEM	500 mL
CC118-0500	Ham's F-12K (Kaighn's Modification)	500 mL
CC131-1000	DMEM/F-12	1 Liter
CC501-0100	Antibiotic-Antimycotic, 100X	100 mL
CC502-0100	Penicillin-Streptomycin, 100X	100 mL
CC507-0100	0.5% Trypsin-EDTA, 10X	100 mL

### Caution

- During operation, always wear a lab coat, disposable gloves, and protective equipment.
- All products are for research use only.