



## SR Buffer

Cat. No.: CC005-0080

Size: 80 ml

Store at -20°C

### Description

SR Buffer is a mixture of nutrients 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 SR Buffer is convenient and easy. We recommend mixing SR Buffer with fetal bovine serum (FBS) in ratio of 8 to 2. The mixture could be considered as serum replacement in culture medium.

When cells are cultured within medium contained SR Buffer/FBS mixture, proliferation is reported to be similar to those which are in medium supplemented with serum.

Application of SR Buffer could reduce serum in culture.

### Features

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

### Application

- Supplement of cell culture.

### Kit Content

Content	CC005-0080
SR Buffer	80 ml

### Quality Control

The quality of the SR Buffer 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 80 ml of SR Buffer and 20 ml of FBS.
2. The mixture is sufficient for 890 ml of medium. In general, it is suggested to add 10 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

- We suggest that the SR solution does not be used with ITS-M.
- Time for adaptation will vary with the growth characteristics of the particular cell type. Some cells may require several passages.
- During operation, always wear a lab coat, disposable gloves, and protective equipment.
- All products are for research use only.