

## KSOM- Potassium Simplex Optimized Medium

*With Penicillin, Streptomycin and Phenol Red, without AA*

### DESCRIPTION

KSOM is a potassium simplex optimized medium for *in vitro* culture of mouse oocytes. Simplex Optimized Medium (SOM) is taken and modified with an increase potassium concentration to make KSOM. KSOM can not only overcome the two-cell block problem that occurs in SOM, it also has the benefit of a higher yield of blastocysts, it stimulates a higher rate of cell division of the trophoblast cells, and supports a greater rate of development from zygote to blastocyst of an outbred strain of mouse when compared with other culture media.

### APPLICATION

Mouse embryo culture.

### PACKAGE

**Bottle Volume:** 50 mL

**Sterility:** The medium sterilized with 0.1 µm filter

**Storage:** at -20°C

**Shelf-life:** 1 year after receipt.

**Shipment:** Blue ice.

**This product is for *in vitro* research use only and is not intended for use in humans or animals in therapeutic or diagnostic procedures.**

### COMPONENTS

Calcium Chloride	Magnesium Sulfate
Potassium Chloride	Potassium Phosphate
EDTA	Sodium Bicarbonate
Sodium Chloride	Albumin, Bovine Fraction V
D-Glucose	Sodium Pyruvate
Sodium Lactate	Phenol Red
Potassium Penicillin-G Streptomycin Sulfate	
L-glutamine	

### RELATED PRODUCTS

M2 Medium (Catalog# TBS8070-50ML)

HTF Medium (Catalog# TBS8072-50ML)

ESC/iPSC-qualified FBS (Catalog# TBS8002)

MSC Medium (Catalog# TBS8021)

Chondrogenic Differentiation Medium (Catalog# TBS8062)

RPMI16040 Medium (Catalog# TBS8063)

Adipocyte Differentiation Cocktail (Catalog# TBS8017)

0.1% Gelatin Solution (Catalog# TBS8004)

