

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 oocyte. It was modified from SOM (Simplex optimized medium) with increase potassium concentration. KSOM not only overcomes the two-cell block problem in the medium of SOM, but also results in a higher yield of blastocysts, 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 than 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 (TBS8002)

MSC Medium (TBS8021)

Chondrogenic Differentiation Medium (TBS8062)

RPMI16040 Medium (TBS8063)

Adipocyte Differentiation Cocktail (TBS8017)

0.1% Gelatin Solution (TBS8004)

