

PRODUCT DESCRIPTION

ES-Cult[®] Fetal Bovine Serum (ES-Cult[®] FBS, Catalog #06907/06957) has been tested for its ability to efficiently promote the *in vitro* differentiation of mouse embryonic stem cells (mESCs) and mouse induced pluripotent stem cells (miPSCs) to embryoid bodies (EBs) in methylcellulose-based medium. These EBs are then subcultured in a collagen-based medium (ES-Cult[®] Endothelial Collagen and Medium Kit, Catalog #05810) supplemented with cytokines for the formation of endothelial-like sprouts, indicative of sprouting angiogenesis.

This product is **not recommended** for the maintenance of mESCs or miPSCs in the undifferentiated state.

STABILITY AND STORAGE

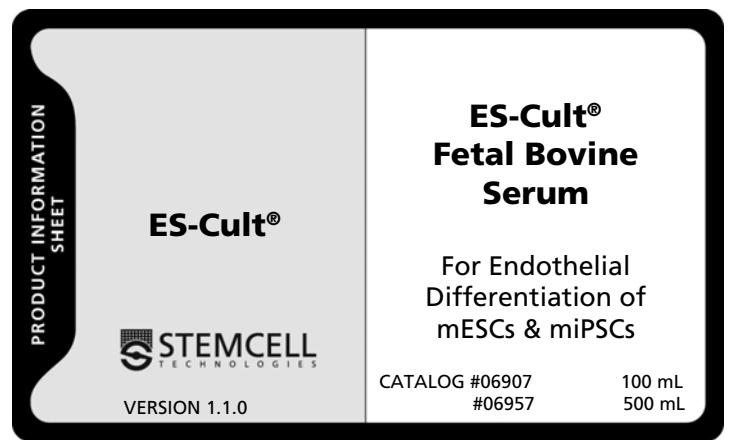
Product stable at -20°C for at least 1 year from date of receipt or at 2 - 8°C for up to 1 month.

It is recommended that serum be thawed at 2 - 8°C, mixed well, dispensed into convenient aliquots then refrozen at -20°C. Avoid repeated freeze/thaw cycles.

This product has been aseptically manufactured using tightly controlled processes and is sterility tested.

RELATED PRODUCTS

PRODUCT	CATALOG #
AggreWell™400 (8 wells, each with approximately 1,200 microwells per well)	27845 27945
ES-Cult [®] M3120 Base Methylcellulose	03120
Iscove's MDM (IMDM)	36150
ES-Cult [®] Endothelial Collagen and Medium	05810
Human Vascular Endothelial Growth Factor (rh VEGF)	02628 02828
Human Fibroblast Growth Factor, Basic (rh bFGF)	02634
Human Interleukin-6 (rh IL-6)	02506 02606
Human Erythropoietin (rh EPO)	02625
MegaCult-C [®] Double Chamber Slides	04813
16 Gauge Blunt-End Needles	28110 28120
3 cc Syringes	28230 28240
35 mm Culture Dishes (pre-tested)	27100 27150



DIRECTIONS FOR USE

It is recommended that this serum be used in conjunction with other pre-screened ES-Cult[®] components for optimal performance.

For further information on the *in vitro* endothelial differentiation of mESCs or miPSCs, refer to the Product Information Sheet "ES-Cult[®] Endothelial Collagen and Medium Kit" (Catalog #05810) available on our website at www.stemcell.com/technical/manuals.aspx.