


RECOMMENDED FOR:

BIT 9500 Serum Substitute has been developed for use in applications where a culture medium of defined composition is required. This product contains pre-tested batches of bovine serum albumin, insulin and transferrin (BIT) in Iscove's MDM. It can be used to prepare serum-free media formulations for methylcellulose-based colony assays or during *in vitro* expansion of human or mouse hematopoietic progenitors. In addition, it can be used to support the generation and culture of dendritic cells. BIT 9500 has been pre-screened for use with ES-Cult[®] reagents for optimal detection of hematopoietic progenitors from *in vitro* hematopoietic differentiation of mouse embryonic stem cells (ESCs).

Product Information Sheet



Version 1.0.0

**BIT 9500
Serum
Substitute
(5X)**

Catalog #09500 100 mL/bottle

PRODUCT DESCRIPTION:

5X Solution Containing:

Bovine Serum Albumin
rh Insulin

Human Transferrin (Iron-Saturated)*
Iscove's MDM

**Human transferrin used in this product has been derived from human plasma. Venous blood of each donor has been tested for hepatitis B surface antigen (HBsAg) and anti-HIV-1 and/or HIV-1 antigen. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.*

This product contains biological reagents, and as such cannot be completely characterized or quantified. Some variability is unavoidable.

This product is aseptically manufactured using tightly controlled processes and pre-screened components, and is sterility tested.

STABILITY AND STORAGE:

Product stable at -20°C until expiry date indicated on label. Stable for 1 month at 2-8°C.

It is recommended that the product be thawed, mixed well and aliquoted into smaller volumes. These aliquots should be stored at -20°C until use. *Avoid freezing and thawing repeatedly.*

DIRECTIONS FOR USE:

It is recommended that BIT 9500 Serum Substitute be used at a final concentration of 20% (i.e. dilute 5-fold in desired medium).

Example: Use 20 mL of BIT 9500 Serum Substitute, plus desired supplements, in a total medium volume of 100 mL.

See Material Safety Data Sheet for more information.

**FOR RESEARCH USE ONLY.
NOT FOR THERAPEUTIC OR DIAGNOSTIC USE.**

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