

# BIT 9500 Serum Substitute



Scientists Helping Scientists™ | [WWW.STEMCELL.COM](http://WWW.STEMCELL.COM)

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

**Serum substitute for culturing human and mouse hematopoietic cells**

Catalog # 09500

100 mL

## Product Description

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 Modified Dulbecco's Medium (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 progenitor cells.

In addition, it can be used to support the generation and culture of dendritic cells as well as for optimal detection of hematopoietic progenitor cells from in vitro hematopoietic differentiation of mouse embryonic stem cells, and to expand hybridoma cell lines under serum-free conditions.

## Properties

**Storage:** Store at -20°C.

**Shelf Life:** Stable until expiry date (EXP) on label.

**Contains:**

- Bovine serum albumin
- Recombinant human insulin
- Human transferrin (iron-saturated)
- Iscove's MDM

This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

## Handling / Directions For Use

1. Thaw at room temperature (15 - 25°C) or overnight at 2 - 8°C.
2. Swirl the bottle to mix.
3. Store at 2 - 8°C for up to 1 month. Alternatively, aliquot and store at -20°C. After thawing aliquots, do not re-freeze.

NOTE: Use BIT 9500 Serum Substitute at a final concentration of 20%. For example, add 20 mL of BIT 9500 Serum Substitute to 80 mL of medium plus supplements, for a final volume of 100 mL.

## Notes and Tips

### RELATED PRODUCTS

For related products, including specialized culture and storage media, supplements, antibodies, cytokines, and small molecules, visit [www.stemcell.com/HSPCworkflow](http://www.stemcell.com/HSPCworkflow) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com). For available fresh and cryopreserved peripheral blood, cord blood, and bone marrow products, visit [www.stemcell.com/primarycells](http://www.stemcell.com/primarycells).

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2017 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.