


HAT Supplement (50X)

Catalog Numbers 21060017

Pub. No. MAN0025823 Rev. A.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

Product description

Gibco™ HAT Supplement (50X) (Cat. No. [21060017](#)) is a liquid mixture of sodium aminopterin (20 µM), hypoxanthine (5 mM), and thymidine (0.8 mM). HAT Supplement is added to cell culture medium as a selection agent for post-fusion selection of HGPRT-myeloma hybridoma cells used for antibody production. The aminopterin in HAT Supplement inhibits the de novo nucleoside biosynthesis pathway. Hypoxanthine and thymidine supply purines and pyrimidines for DNA synthesis by hybridoma cells via the salvage pathway that utilizes HGPRT contributed by the fused spleen cell. Unfused HGPRT-deficient myeloma cells cannot replicate DNA to proliferate, and unfused spleen cells are mortal, allowing for specific selection of HGPRT-myeloma hybridoma cells.

This supplement is supplied in a 50X concentrated solution and should be diluted to 1X before use. Dilute 1 volume of HAT Supplement (50X) into 49 volumes of desired cell culture medium.

Contents and storage

Catalog numbers that appear as links open the web pages for those products.

Contents	Cat. No.	Amount	Storage	Shelf-life ^[1]
HAT Supplement (50X)	21060017	100 mL	-5°C to -20°C	14 months

^[1] Shelf-life duration is determined from Date of Manufacture.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](https://www.thermofisher.com/symbols-definition).

The information in this guide is subject to change without notice.

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Revision history: Pub. No. MAN0025823

Revision	Date	Description
A.0	12 October 2021	New document created for HAT Supplement (50X).

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