

<b>Catalog</b>	<b>Unit Size</b>
TBS8075	100 mL

**DESCRIPTION**

Tribioscience's HAT Supplement Solution is a liquid mixture of hypoxanthine, aminopterin, thymidine (HAT) for hybridoma cell selection. It is used for the preparation of selection medium for hybridoma. The myeloma cell is deficient in the enzyme hypoxanthine-guanine phosphoribosyl transferase (HGPRT) or thymidine kinase (TK) and cannot survive in HAT selection medium. This selection Solution has been verified for use in hybridoma development and monoclonal antibody production.

**Main Components:**

This product is a chemically defined liquid medium. The main components are as below:

Hypoxanthine (H)  
Aminopterin (A)  
Thymidine (T)

**MEDIA SIZE AND STORAGE CONDITION**

Name	Unit Size
HAT Supplement Solution (50x)	100 mL

Shelf Life: Store at -20°C for 1year.

**APPLICATIONS**

- Used for Hybridoma cell selection for monoclonal antibody production.

**DIRECTIONS FOR USE**

1. Thaw the Medium at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix well.
2. Aseptically transfer 5 ml of the 50X HAT Supplement Solution to 500ml of sterile medium.
3. Tightly cap the media bottle and mix gently to ensure proper mixing. Note: Do not mix vigorously as it may lead to formation of foam.
4. The final concentration (1x) of hypoxanthine, aminopterin and thymidine in 500ml media will be 100 µM, 0.4µM and 16 µM respectively.

**RELATED PRODUCTS**

HT supplement (TBS7073)  
Hybridoma growth medium (TBS7074)  
B-27 Supplement (50x) (TBS8079)  
N-2 Supplement (100x) (TBS8081)  
Neurobasal Plus Medium (TBS8082)  
DMEM/F12, HEPES(TBS8083)  
M2 Mouse Embryo Medium (TBS8070)  
KSOM Mouse Embryo Medium without AA(TBS8071)  
Human Tubal Fluid (HTF) Mouse Embryo Medium (TBS8072)  
Adipocyte Differentiation Cocktail (TBS8017)  
Chondrogenic Differentiation Medium (TBS8062)  
Human ES and iPS Complete Cell Medium (Chemically defined) (TBS8064)

**For research use only.**