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| <b>Catalog</b> | <b>Unit Size</b> |
| TBS8073        | 100 mL           |

**DESCRIPTION**

Tribioscience’s HT Supplement Solution is a liquid mixture of hypoxanthine and thymidine (HT) for hybridoma cell selection, and antibody production.

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 HT 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 as below:

- Hypoxanthine (H)
- Thymidine (T)

**MEDIA SIZE AND STORAGE CONDITION**

| Name                         | Unit Size |
|------------------------------|-----------|
| HT Supplement Solution (50x) | 100 mL    |

Shelf Life: Store at -20°C for 1year.

**APPLICATIONS**

- Suitable for post-selection rescue to overcome the effects of residual intracellular aminopterin.

**DIRECTIONS FOR USE**

1. Thaw the HT Supplement stock at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix well.
2. Aseptically transfer 10 ml of the 50X HT Supplement Solution to 500ml of sterile medium (1x HT).
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 concentrations (1x) of hypoxanthine and thymidine in 500ml media will be 100 µM and 16 µM respectively.

**RELATED PRODUCTS**

- Hybridoma growth medium (TBS7074)
- HAT Supplement Solution (TBS7075)
- 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.**