

ClonaCell™-HY Liquid HAT Selection Medium

Hybridoma selection medium, with HAT (serum-containing)

Catalog # 03831

500 mL



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Product Description

ClonaCell™-HY Liquid HAT Selection Medium is a serum-containing medium with hypoxanthine, aminopterin, and thymidine (HAT) for the selection of hybridomas following the fusion of lymphocytes and myeloma cells. This medium has been verified for use in mouse and rat hybridoma development and reportedly is compatible for production and cloning of myelomas and/or hybridomas using lymphocytes from a variety of host animals including human, mouse, rat, and hamster.

- Simplifies hybridoma selection in liquid suspension cultures

Properties

Storage: Store at -20°C.

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

Contains:

- DMEM
- Pre-selected serum
- Hypoxanthine, aminopterin, and thymidine (HAT)
- Gentamicin
- 2-Mercaptoethanol
- Phenol red
- L-Glutamine and other supplements
- Other ingredients

Handling / Directions For Use

1. Thaw ClonaCell™-HY Liquid HAT Selection Medium at room temperature (15 - 25°C) or overnight at 2-8°C. Mix well.
NOTE: Do not thaw ClonaCell™-HY Liquid HAT Selection Medium in a 37°C water bath.
2. If ClonaCell™-HY Liquid HAT Selection Medium is not used immediately, store at 2 - 8°C for up to 2 weeks. Alternatively, aliquot and store at -20°C until expiry date as indicated on the label.
3. Follow your own procedure for hybridoma generation, selection, and expansion or refer to the Technical Manual: ClonaCell™-HY Liquid HAT Hybridoma Selection (Document #29044; contact us to request a copy) for a protocol using the complete range of ClonaCell™-HY products. Additional ClonaCell™-HY media products include:

- ClonaCell™-HY Medium A (Catalog #03801)
- ClonaCell™-HY Medium B (Catalog #03802)
- ClonaCell™-HY Medium C (Catalog #03803)
- ClonaCell™-HY Medium E (Catalog #03805)
- ClonaCell™-HY PEG (Catalog #03806)

References

- Dorrell C et al. (2011) Isolation of mouse pancreatic alpha, beta, duct and acinar populations with cell surface markers. *Mol Cell Endocrinol* 339(1-2): 144-50.
- Fang L et al. (2008) Essential role of TNF receptor superfamily 25 (TNFRSF25) in the development of allergic lung inflammation. *J Exp Med* 205(5): 1037-48.
- García-Barreno B et al. (2014) Characterization of an enhanced antigenic change in the pandemic 2009 H1N1 influenza virus haemagglutinin. *J Gen Virol* 95(5): 1033-42.
- Jin C et al. (2005) Immunoglobulin G specifically binding plant N-glycans with high affinity could be generated in rabbits but not in mice. *Glycobiology* 16(4): 349-57.

Weidanz JA et al. (2006) Levels of specific peptide-HLA class I complex predicts tumor cell susceptibility to CTL killing. J Immunol 177(8): 5088–97.

Wittman VP et al. (2006) Antibody targeting to a class I MHC-peptide epitope promotes tumor cell death. J Immunol 177(6): 4187–95.

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