

ClonaCell™-HY Medium D without HAT



Methylcellulose-Based Hybridoma Selection and Cloning Medium

Catalog # 03810

90 mL

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FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

Product Description

ClonaCell™-HY Medium D without HAT is a semi-solid methylcellulose-based medium that does not contain any selection reagents such as HAT (hypoxanthine, aminopterin and thymidine), enabling alternative hybridoma selection methods to be used. This product can be used to concurrently select and clone myelomas or hybridomas by adding an appropriate selection agent to the medium. Individual clones and their progeny remain localized together in the semi-solid matrix as they grow to form distinct monoclonal colonies. This prevents the loss of rare clones by overgrowth from faster-growing cells, as can occur during selection in liquid media. The colonies can be easily picked from the semi-solid medium by manual or robotic methods and dispersed into a liquid growth medium for screening and expansion. This medium is suitable for use during mouse monoclonal antibody development.

Properties

- Storage:** Store at -20°C.
- Shelf Life:** Stable until expiry date (EXP) on label.
- Contains:**
- Methylcellulose
 - Pre-selected serum
 - Gentamycin
 - 2-Mercaptoethanol
 - Supplements
 - Does not contain a selective agent for selection of hybridomas

Handling / Directions For Use

1. Thaw ClonaCell™-HY Medium D without HAT at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix well.
NOTE: Do not thaw ClonaCell™-HY Medium D without HAT in a 37°C water bath.
2. If ClonaCell™-HY Medium D without HAT is not used immediately, store at 2 - 8°C for up to 1 week. Alternatively, aliquot and store at -20°C until expiry date as indicated on the label. After thawing aliquots, use immediately. Do not re-freeze.
3. Add appropriate supplements and selection agents prior to use.

For complete instructions, please refer to the Technical Manual: ClonaCell™-HY Hybridoma Cloning Kit (Document #28411), available on our website at www.stemcell.com or contact us to request a copy.

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