

ClonaCell™-HY Medium D



Semi-solid methylcellulose-based medium for hybridoma selection and cloning, with HAT (serum-containing)

Catalog # 03804

90 mL

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Product Description

ClonaCell™-HY Medium D is a semi-solid methylcellulose-based medium containing serum and the selective agents hypoxanthine, aminopterin, and thymidine (HAT). This medium is used after fusion of lymphocytes and myeloma cells to select and clone hybridomas in one step. Individual parental hybridoma clones and their progeny remain localized together in the semi-solid matrix as they grow to form distinct colonies. This prevents the loss of rare clones by overgrowth from faster-growing cells, as can occur during selection in a liquid medium, and facilitates the isolation of monoclonal colonies. The hybridoma colonies can be easily picked from the semi-solid medium by manual or robotic methods and dispersed into a liquid medium for screening and expansion. This medium has been verified for use in mouse and rat hybridoma development and reportedly is compatible for production and cloning of hybridomas using lymphocytes from a variety of host animals including human, mouse, rat, hamster, and rabbit.

- Time savings: Hybridoma selection and cloning are combined into one step
- Resource savings: Single-cell derived hybridomas form visible discrete colonies in semi-solid medium, and are easy to pick and transfer to liquid medium for screening and expansion
- Cloning efficiency: Individual cells are suspended and immobilized in semi-solid medium, preventing loss of rare, high-producing clones due to overgrowth

Properties

Storage:	Store at -20°C.
Shelf Life:	Stable until expiry date (EXP) on label.
Contains:	• DMEM • Methylcellulose • 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 Medium D at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix well.
NOTE: Do not thaw ClonaCell™-HY Medium D in a 37°C water bath.
2. If ClonaCell™-HY Medium D 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.

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

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