

# ClonaCell™-HY AOF Expansion & Cloning Medium

Hybridoma expansion and cloning medium with hypoxanthine and thymidine (animal origin-free)

Catalog # 03835

500 mL



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## Product Description

ClonaCell™-HY AOF Expansion & Cloning Medium is an animal origin-free (AOF) and serum-free liquid medium optimized for hybridoma expansion and cell line cloning after hypoxanthine, aminopterin, thymidine (HAT) selection. The medium contains hypoxanthine and thymidine (HT) and is used to wean hybridomas off aminopterin used during the selection process. ClonaCell™-HY AOF Expansion & Cloning Medium promotes robust expansion of hybridomas and is effective for single-cell and limiting dilution cloning applications, adaptation from serum-containing to serum-free media, and stabilizing the viability and antibody productivity of hybridoma cell lines. The majority of hybridomas can be switched directly from serum-containing media to ClonaCell™-HY AOF Expansion & Cloning Medium without an adaptation step. The absence of serum in this medium facilitates detection and purification of the desired hybridoma-derived antibody without interference from serum-derived immunoglobulins.

This medium has been verified for use with mouse and rat hybridomas and is suitable for expansion and cloning of mouse myelomas such as Sp2/0. It may be used as a serum-free alternative to ClonaCell™-HY Medium A (Catalog #03801) or ClonaCell™-HY Medium E (Catalog #03805). No materials of animal or human origin are used in the manufacture of this medium or its components, to at least the secondary level of manufacturing.

- Animal origin-free
- Suitable for single-cell and limiting dilution cloning under serum-free conditions
- Reduces performance variability in the medium
- Simplifies downstream clone screening and antibody purification (no serum-derived IgG)

## Properties

- Storage:** Store at -20°C.
- Shelf Life:** Stable for 12 months from date of manufacture (MFG) on label.
- Contains:**
- Hypoxanthine and thymidine (HT)
  - Gentamicin
  - Phenol red
  - L-Glutamine and other supplements
  - Other ingredients, including recombinant proteins

## Handling / Directions For Use

Thaw ClonaCell™-HY AOF Expansion & Cloning Medium at room temperature (15 - 25°C) or overnight at 2 - 8°C. Mix thoroughly.

NOTE: Do not thaw in a 37°C water bath. If not used immediately, store at 2 - 8°C for up to 2 weeks. Alternatively, aliquot and store at -20°C. Do not exceed the shelf life of the medium.

NOTE: Cloudiness may develop in medium over time; this will not affect performance. If desired, the medium can be filtered using a 0.2 µm low protein binding filter.

For complete instructions, refer to the Technical Manual: ClonaCell™-HY Hybridoma Kit: A Complete Workflow for Hybridoma Generation (Document #28411), available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

## References

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