



Innovation in cryopreservation

◀ upstream ▶ downstream 🧪 single-use 📦 services

Advancing post-thaw cell recovery and growth with HyCryo and HyCryo-STEM cryopreservation media

Imagination at work.

www.gelifesciences.com/hyclone

HyCryo medium

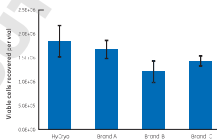
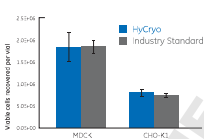
Superior recovery for standard cell lines

Animal origin-free and serum-free cryopreservation medium for general use

With GE Healthcare HyCryo cryopreservation medium, you can store your samples with even more confidence, knowing that our validated media design advances the post-thaw recovery, viability, and growth of your cells.

HyCryo medium is a serum-free, animal origin-free product intended for cryogenic and preservation storage and biomanufacturing needs for your standard cell lines. With HyCryo medium, your precious cells are faithfully preserved

for your future research. Using HyCryo has been shown to increase recovery of viable cells versus results from other cryopreservation media alternatives.



Ordering information

| Product | Description | Size | Code no. |
|-------------|---|--------|------------|
| HyCryo | Cryopreservation medium for general use | 100 mL | SR30001.02 |
| HyCryo-STEM | Cryopreservation medium for stem cells | 100 mL | SR30002.02 |



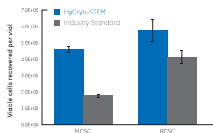
HyCryo-STEM medium

Designed specifically for stem cell storage

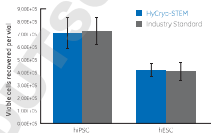
Serum-free formulation minimizes spontaneous differentiation

GE Healthcare HyCryo-STEM medium provides impressive post-thaw cell recovery and growth of pluripotent stem cells (ESC and iPSC) and neural progenitor cells such as mouse cortical stem cells (MCSCs) and rat cortical stem cells (RCSCs). The serum-free formulation maintains differentiation potential and minimizes spontaneous differentiation of stem cells.

Post-Thaw Recovery

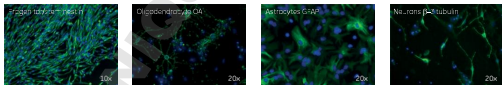


HyCryo-STEM medium was shown to enable greater recovery of viable neural progenitor stem cells compared to industry standard cryopreservation medium containing 20% DMSO. Mouse cortical stem cells (MCSCs) were grown in adherent culture and rat cortical stem cells (RCSCs) were grown in neurosphere culture prior to freeze.

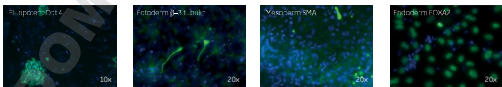


HyCryo-STEM medium achieves similar recovery of viable human stem cells compared to the industry standard cryopreservation medium (cocktail of 25% serum replacement and 10% DMSO).

Post-thaw differentiation



HyCryo-STEM medium maintains the ability of neural progenitor stem cells post-thaw. Staining of mouse cortical stem cells grown as a monolayer and differentiated post-thaw demonstrate that cells frozen in HyCryo-STEM medium retain their stemness.



HyCryo-STEM medium maintains differentiation potential of human stem cells post-thaw. Human ESCs grown on MEFs post-thaw retains their pluripotency and were successfully differentiated into the three germ layers.

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