Innovation in cryopreservation

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

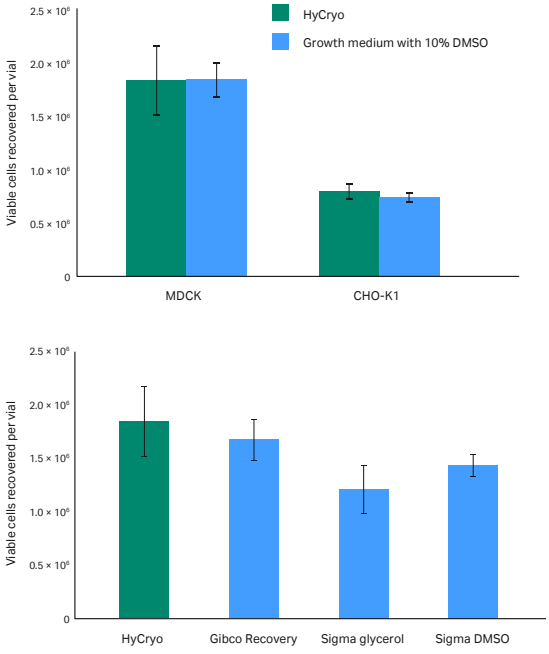
HyCryo medium

Excellent recovery for standard cell lines

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

With Cytiva's HyClone™ HyCryo cryopreservation medium, you can store your samples with confidence, knowing that our validated medium design advances the post-thaw recovery, viability, and growth of your cells. HyCryo medium is intended for cryogenic and preservation storage of your standard cell lines. With HyCryo medium, your precious cells are faithfully preserved for your future research.

Post-thaw recovery



HyCryo medium was shown to increase recovery of viable cells compared with using growth medium containing 10% DMSO (industry standard) or other commercially available cryopreservation media.

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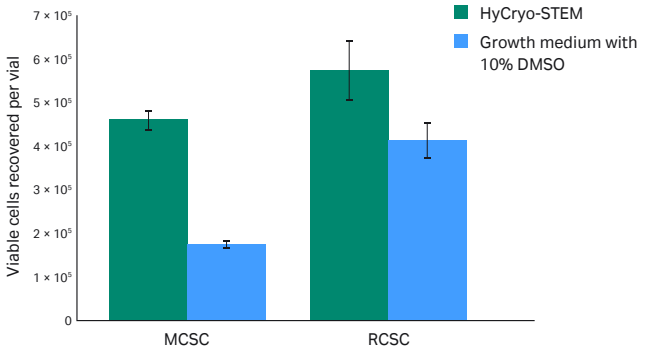
HyCryo-STEM medium

Designed specifically for stem cell storage

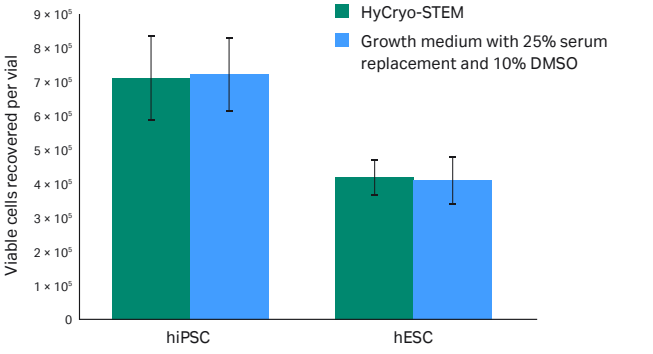
Serum-free formulation minimizes spontaneous differentiation

Cytiva's HyClone HyCryo-STEM medium provides impressive post-thaw cell recovery and growth of embryonic stem cells (ESCs), induced pluripotent stem cells (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 with using growth medium containing 10% DMSO (industry standard). MCSCs were grown in adherent culture and RCSCs were grown in neurosphere culture prior to freeze.



HyCryo-STEM medium exhibits similar recovery of viable human stem cells compared with using growth medium containing 25% serum replacement and 10% DMSO (industry standard).

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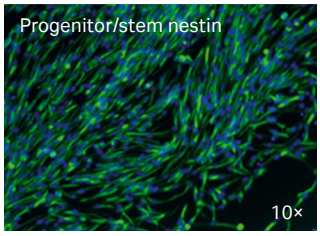
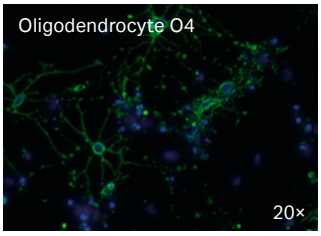
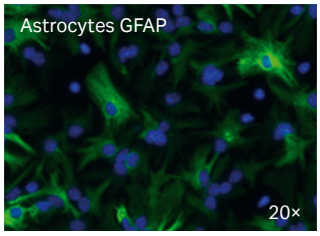
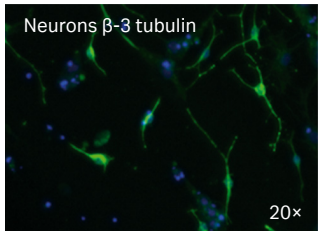
Post-thaw differentiation

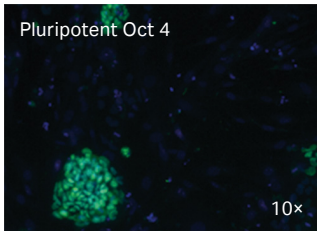


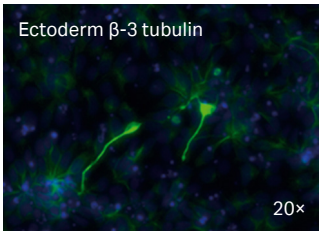


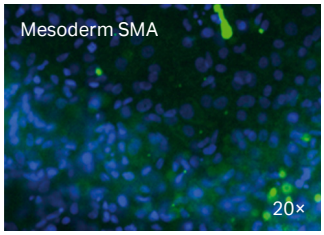


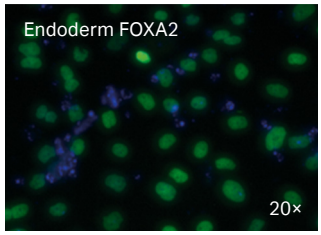


HyCryo-STEM medium maintains tripotency of neural progenitor stem cells post-thaw. Staining of MCSCs, grown as a monolayer and differentiated post-thaw, demonstrate that cells frozen in HyCryo-STEM medium retain their stemness.









HyCryo-STEM medium maintains differentiation potential of human stem cells post-thaw. Human ESC grown on mouse embryonic fibroblast retained their pluripotency post-thaw and were successfully differentiated into the three germ layers.

Ordering information

Product	Description	Size	Product code
HyCryo	Cryopreservation medium for general use	100 mL	SR30001.02
HyCryo-STEM	Cryopreservation medium for stem cells	100 mL	SR30002.02

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