



Why FGF2 DISCs™ for Cell Culture?



Simple and Efficient

Reduce culture feeding frequency and media usage



Improved cultures

Steady FGF2 release reduces cellular stress and enhances culture quality



Native FGF2 vs. FGF2 mimic

Using native FGF2 reduces unwanted off-target signalling

Product Specifications

FGF2 DISCs™ provide stable, defined levels of native FGF2 in cell culture medium. FGF2 DISCs™ are biocompatible hydrogels embedded with controlled-release FGF2 StemBeads®.

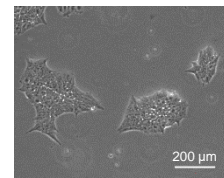
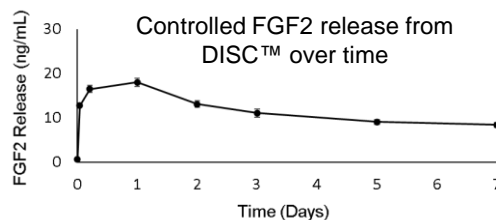
Catalog #	Product Name	Size	MSRP*
DSC500S	FGF2 DISC™ (Standard)	12 DISCs™	\$78.00 USD
DSC500-48	FGF2 DISC™ (Standard)	48 DISCs™	\$288.00 USD
DSC505-48	FGF2 DISC™ (Mini)	48 DISCs™	\$216.00 USD

*For discounts on bulk or standing orders, please contact us.

Storage: FGF2 DISCs™ are stable for 6 months stored at 4°C or -20°C.

DISC™ Size: 2-3 mm diameter, dry.
5-6 mm diameter, rehydrated.

FGF2 Levels: See **Table 1** for release information per medium volume.



High quality hPSCs grown with a DISC™

DSC500/500S	Volume	FGF2 Level
1 DISC	1 mL	20 ng/mL
1 DISC	2 mL	10 ng/mL
DSC505	Volume	FGF2 Level
1 DISC	1 mL	10 ng/mL
1 DISC	2 mL	5 ng/mL

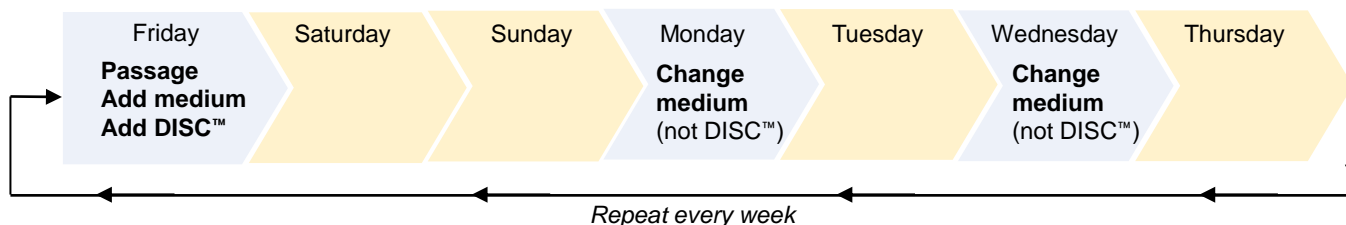


For FAQs, instructional videos and more, scan this QR code!

Suggested protocol for use in pluripotent stem cell (PSC) cultures

- Using aseptic cell culture technique, wipe DISC™ container with 70% ethanol and place into a biosafety cabinet before opening.
- Passage cells and add culture medium to wells.
- Using sterile forceps, transfer each DISC™ into a culture well containing the volume required for desired release level (see Table 1). Note: As DISCs™ rehydrate, they will swell and become transparent. Embedded StemBeads® will be visible under a microscope.
- Every 2-3 days, replace only the medium, leaving the original DISC™ in the well (use a low powered vacuum or a pipette).
- After 7 days total, passage cells into a new culture dish and add a new DISC™. The old DISC™ can be removed using a low powered vacuum + pipette tip.

Recommended PSC Culture Schedule



Note: Different PSC lines, culture densities, and media may require adjusted schedules.

Please reach out to support@stemcultures.com for ordering and technical support.