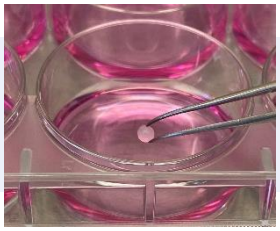
FGF2 DISC
Product Information Sheet



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

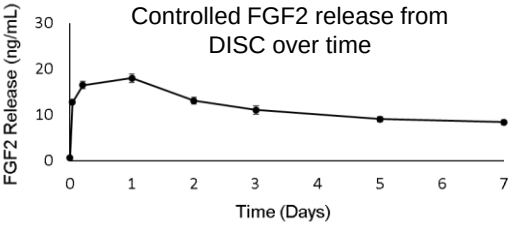
Native FGF2 vs. FGF2 mimic
Using native FGF2 reduces unwanted off-target signalling

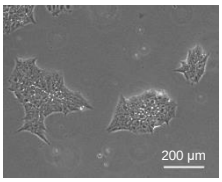
Product Specifications

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*
DSC500	FGF2 DISC	48 DISCs	$288.00 USD
DSC500S	FGF2 DISC	12 DISCs	$78.00 USD

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





High quality hPSCs grown with a DISC

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: For PSCs we recommend adding one DISC per 2 mL of medium. See **Table 1** for additional suggestions.

Table 1: FGF2 release with medium volume

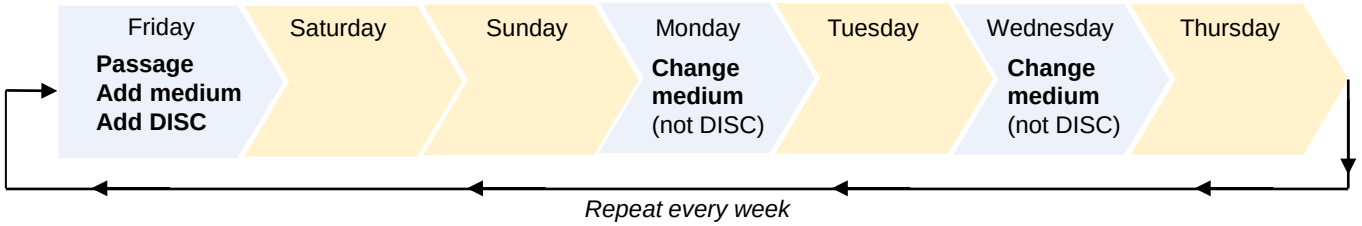
FGF2 DISCs	Volume	FGF2 Level
1	1 mL	20 ng/mL
1	2 mL	10 ng/mL
1	4 mL	5 ng/mL

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

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

1. Using aseptic cell culture technique, wipe DISC container with 70% ethanol and place into a biosafety cabinet before opening.
2. Passage cells and add culture medium to wells.
3. 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.
4. Every 2-3 days, replace only the medium, leaving the original DISC in the well (use a low powered vacuum or a pipette).
5. 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



Repeat every week

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

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

StemCultures | +1518 621 0848 | support@stemcultures.com | 1 Discovery Drive | Rensselaer, New York 12144 | United States
www.stemcultures.com| @StemCultures| Stem Cultures