SmartDish™

Meniscus-free cultureware for more accurate counting of hematopoietic colonies in CFU assays

Catalog #	27370	5/Pack
	27371	50/Pack

STEMCELL™ TECHNOLOGIES
Scientists Helping Scientists™ | WWW.STEMCELL.COM
TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

SmartDish™ 6-well culture plates enable accurate and reproducible hematopoietic colony counting by preventing the formation of a meniscus. This allows for an even distribution of culture medium, resulting in a more uniform distribution of colonies throughout the entire 35 mm well. The absence of the meniscus also reduces optical distortion so that colonies located at the edge can be more easily counted.

SmartDish™ (Catalog #27370) is the second generation of the original SmartDish™ plate (Catalog #27301). These new plates use an improved coating, which streamlines the manufacturing process while consistently improving the visibility of hematopoietic colonies in culture through elimination of the mensicus.

SmartDish™ cultureware has been designed to work with standard inverted microscopes when performing manual colony counts, as well as with the STEMvision™ instrument (Catalog #22000) for automated counting of hematopoietic colony-forming unit (CFU) assays. For manual counting of hematopoietic CFU assays, SmartDish™ is used with STEMgrid™-6 (Catalog #27000), a detachable grid that facilitates navigation throughout the culture, dividing it into four quadrants for partial counting if desired.

Properties

Storage:	Store at 15 - 25°C.
Shelf Life:	Stable for 24 months from date of manufacture on label.

Handling / Directions For Use

SmartDish™ meniscus-free cultureware is intended for use in the same manner as conventional cultureware. In order to ensure that cultures in SmartDish™ cultureware are in a well-hydrated environment, add 4 mL of sterile water to the empty spaces between the SmartDish™ wells. It is also recommended that at least four additional 35 mm culture dishes (e.g. Catalog #27100), each containing 3 - 4 mL of sterile water, are placed around the SmartDish™ cultureware and that all are contained within a larger tray, e.g. Corning® 245 mm Square Dish, Non-Treated (Catalog #38020).
NOTE: Up to three SmartDish™ 6-well plates can fit in a 245 mm square dish.

For complete instructions on how to use SmartDish™ 6-well plates with MethoCult™ media, refer to the Technical Manual: Human Colony-Forming Unit (CFU) Assays Using MethoCult™ (Document #28404), available at www.stemcell.com or contact us to request a copy.

For complete instructions on how to use SmartDish™ 6-well plates with STEMvision™, refer to the Technical Manual: STEMvision™ Automated Colony-Forming Unit (CFU) Assay Reader (Document #29973), available at www.stemcell.com or contact us to request a copy.

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