

# STEMgrid™-6



**Detachable grid for manual counting of hematopoietic colonies in SmartDish™ 6-well plates using an inverted microscope**

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Catalog # 27000

1 Grid

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## Product Description

STEMgrid™-6 is a counting grid designed to attach to the bottom of any SmartDish™ 6-well plate (Catalog #27301). STEMgrid™-6 is also suitable for manual counting of hematopoietic colonies in standard 35 mm dishes, which can be placed individually onto the grid surface.

STEMgrid™-6 contains gridlines to assist in the manual counting of hematopoietic colonies using an inverted microscope. The six 35 mm diameter areas of 2 x 2 mm grids precisely align with each well of a SmartDish™ 6-well plate. In addition, each of the six gridded areas are divided into quadrants by thicker lines, to facilitate counting of only one-quarter or one-half of the culture, and as a reference for locating colonies in different areas of a well during counting.

- Quadrant lines integrated into the grid facilitate counting of partial areas and location of colonies in the culture
- Gridlines are oriented in horizontal and vertical directions and do not need the manual adjustment required when using 60 mm gridded dishes
- Gridlines do not obscure small colonies
- Tab and finger holes allow for easy removal of STEMgrid™-6 from the SmartDish™ plate
- Can be used with 35 mm dishes
- Reusable

## Properties

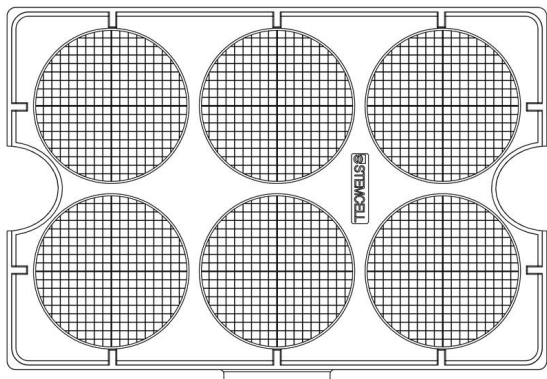
**Storage:** Store at 15 - 25°C.

**Shelf Life:** Not applicable

## Handling / Directions For Use

1. Place STEMgrid™-6 on a flat surface or microscope stage with the tab facing forward (refer to image below).  
NOTE: For microscope stages with plate holders that cannot accommodate the protruding tab, the tab may be removed prior to use by cutting with scissors along the groove where the tab joins the grid.
2. Gently place the SmartDish™ 6-well culture plate on top of STEMgrid™-6 making sure the edges of the culture plate are aligned with the edges of the grid. If necessary, place index finger on the tab to hold the grid firmly in place.
3. Push down on the culture plate to secure the grid in place. Ensure that the grid is inserted level into the base of the plate.

To remove the grid, place a finger on the tab of the grid to hold it in place while lifting off the culture plate. Alternately, the grid may be removed by placing a finger or other blunt object (e.g. pen) into one or both of the holes in the grid to dislodge the plate.



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