Corning Incorporated
Life Sciences

Registered
ISO 9001:2008

Product Description

Catalog Number: 4516

Product Description: **Corning ® Spheroid Microplate, 384-well, black clear round bottom, ultra low attachment, with lid**

Component Materials:

Plate walls	-	Medium Impact Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures. Black concentrate.
Plate bottom	-	Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures.
Lid	-	Virgin Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures.
Surface	-	Proprietary hydrogel.

Product Dimensions:

Length of Plate	-	5.030 in.	Width of Square Well@ Top	-	.143 in.
Width of Plate	-	3.365 in.	Well bottom radius	-	0.045 in.
Depth of Well	-	.494 in.	Well bottom elevation	-	0.071 in
Tolerances of Dimensions	-	+/- .010 in.	Height with lid	-	0.69 in.
Working volume per well	-	20 µL to 90 µL			

Sterility:
Product has been sterilized and dosimetrically released per the requirements of ANSI/AAMI/ISO 11137, "Sterilization of health care products- Radiation". Products meet a minimum Sterility Assurance Level (SAL) of 10^{-3}

Non-Pyrogenic:
Tested and met the criteria established in the current version of ANSI/AAMI ST 72, "Bacterial Endotoxins - Test methodologies, routine monitoring, and alternative to batch testing". The acceptance level for product is ≤ 0.10 EU/mL or ≤ 4 EU/device.

Optical Characteristics:
The product is made of opaque black polystyrene walls to minimize well-to-well crosstalk and background fluorescence. The bottom is made of clear thin polystyrene to permit direct microscopic viewing.

Surface Characterization:
Surface is characterized to be hydrophilic and neutrally charged, composed of a covalently bound hydrogel layer that is biologically inert and non-degradable. This surface composition had been optimized for cell attachment inhibition.

Cell Spheroid Growth Characteristics:
This product has been tested for the attribute of cell spheroid growth using a tumor cell line in serum supplemented media. Cell spheroid formation must be observed in ≥ 95% of the wells in a plate.

Animal Content:
Product does not contain materials of animal origin.

Quality Control Testing:
Representative production samples are collected and inspected in accordance with current applicable product specifications. Inspection records are reviewed and approved by qualified personnel for product release. Key inspections and inline tests are listed below:

Cell Spheroid Formation	-	Pass
Visual Attributes	-	Pass
Packaging	-	Pass

- This product met Corning Incorporated – Life Sciences' high standards of quality at the time of batch/lot release.

Lot Number Designation:
8 Digit Lot Number: First 3 digits – Julian date, start of manufacturing; Next 2 digits – Year of manufacture; Last 3 digits – Batch identification.

Rev No: 2

Plant of Responsibility: 2 Alfred Rd. Kennebunk, ME 04043 Tel: 1-800-492-1110