

**Corning Incorporated
Life Sciences**

**Registered
ISO 9001:2008**

Product Description

Catalog Number: 3614

Product Description: Corning ® Special Optics 96-well, black plate with ultra-thin clear bottom, tissue culture treated, sterile, without 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.

Product Dimensions:

- | | | | | | |
|--------------------------|---|--------------|---------------------------|---|----------|
| Length of Plate | - | 5.034 in. | Diameter of Well @ top | - | .270 in. |
| Width of Plate | - | 3.365 in. | Diameter of Well @ bottom | - | .250 in. |
| Depth of Well | - | .420 in. | Height without Lid | - | .560 in. |
| Tolerances of Dimensions | - | +/- .010 in. | Volume per Well | - | .36 mL |

Sterilization:

This lot has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137 *Sterilization of healthcare products-Requirements for validation and routine control-Radiation sterilization.*

Sterility Assurance Level: SAL 10⁻³

Surface Characterization:

Surface is characterized to be hydrophilic and negatively charged, composed of 9-17% oxygen atoms. This surface composition has been optimized for cell attachment and growth.

Cell Attachment and Growth Characteristics:

The lot has been tested for the attribute of cell attachment and growth utilizing an attachment-dependent mammalian cell line in a serum supplemented media.

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 and eliminate polarization.

Performance Testing:

Each manufacturing lot is sampled and tested in accordance with Standard Operating Procedures.

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|-------------------------|---|
| Visual Attributes: | Visual examination of the product. |
| Packaging: | Inspection for seal and barrier integrity, accurate labeling and correct product configuration. |
| Opacity: | Visual, using a fluorescent compound. |
| Cell Culture Treatment: | Wettability test using water to insure the presence of a hydrophilic surface. |

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: 7