

**Corning Incorporated  
Life Sciences**

Registered  
ISO 9001:2008

**Product Description**

**Catalog Number:** 4580

**Product Description:** Corning® 96-well, half area black plate with optical 0.2mm glass bottom, with lid

**Component Materials:**

- Plate walls - Cyclic Olefin Co-polymer with Black concentrate
- Plate bottom - Alkali - Free Glass
- Lid - Virgin Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures.
- Gasket - Polyester film

**Product Dimensions:**

- |                          |   |              |                           |   |          |
|--------------------------|---|--------------|---------------------------|---|----------|
| Length of Plate          | - | 5.030 in.    | Diameter of Well @ top    | - | .197 in. |
| Width of Plate           | - | 3.365 in.    | Diameter of Well @ bottom | - | .177 in. |
| Depth of Well            | - | .452 in.     | Height with Lid           | - | .650 in. |
| Tolerances of Dimensions | - | +/- .010 in. | Volume per Well           | - | 200µl    |

**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<sup>-3</sup>

**Optical Characteristics:**

The product is made of opaque black cyclic olefin walls to minimize well to well crosstalk and background fluorescence and /or luminescence. The bottom is made of optical glass to permit direct microscopic viewing and imaging.

**Performance Testing:**

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

- |                    |   |
|--------------------|---|
| Visual Attributes: | Visual and microscopic examination of the product.  |
| Packaging:         | Inspection for seal and barrier integrity, accurate labeling and correct product configuration. |
| Flatness:          | Measurement for interwell flatness.   |

**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: 1