

**Corning Incorporated  
Life Sciences**

**Registered  
ISO 9001:2008**

## Product Description

**Catalog Number:** 4560

**Product Description:** Corning® 1536-well, non-treated, black plate with clear flat bottom, low base, high web, without lid, with barcode labels

**Component Materials:**

- Plate walls - Cyclic Olefin Co-Polymer, meets *USP, Class VI* requirements for plastic containers and closures. Black cyclic olefin co-polymer concentrate
- Plate bottom - Cyclic Olefin Co-Polymer, meets *USP, Class VI* requirements for plastic containers and closures.
- Barcode Label: - White polypropylene base, acrylic adhesive.

**Special Feature:**

Barcode label (format 128) on A1 long side and H12 long side.

**Product Dimensions:**

|                                     |                           |                                     |                |
|-------------------------------------|---------------------------|-------------------------------------|----------------|
| Length of Plate                     | - 5.030 in.               | Width of Square Well @ Top          | - .070 in.     |
| Tolerances of Dimensions for Length | - + .010 in. / - .015 in. | Width of Plate                      | - 3.365 in.    |
| Diameter of Well @ bottom           | - .059 in.                | Depth of Well                       | - .244 in.     |
| Height without Lid                  | - .315 in.                | Tolerances of Dimensions            | - +/- .010 in. |
| Maximum well volume                 | - 15µl                    | Recommended working volume per well | - 10µL         |

**Surface Characterization:**

Surface is characterized to be medium binding.

**Binding Characteristics:**

The product has been tested for the attribute of well to well protein binding utilizing a fluorescent immunoassay to measure precision.

**Optical Characteristics:**

The product is made of opaque black cyclic olefin co-polymer walls to minimize well to well crosstalk and background fluorescence and /or luminescence. The bottom is made of clear cyclic olefin co-polymer to allow visual clarity for optical density or bottom read fluorescent / luminescent measurements.

**Performance Testing:**

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

Visual Attributes:

Visual examination of the product.

Packaging:

Inspection for accurate labeling, and correct product configuration.

**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