

**Corning Incorporated  
Life Sciences**

Registered  
ISO 9001:2008

**Product Description**

**Catalog Number:** 3835

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

**Component Materials:**

- Plate walls - Virgin Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures. Black concentrate
- Plate bottom - Virgin Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures.

**Product Dimensions:**

- |                                     |   |                                 |                            |   |          |
|-------------------------------------|---|---------------------------------|----------------------------|---|----------|
| Length of Plate                     | - | 5.030 in.                       | Width of Square Well @ Top | - | .070 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        | - | 16.5µl   |
| Recommended working volume per well | - | 14.6µL with head space of .020" |                            |   |          |

**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. Coefficient of variation must be ≤ 15%.

**Optical Characteristics:**

The product is made of opaque black polystyrene walls to minimize well to well crosstalk and background fluorescence and /or luminescence. The bottom is made of clear polystyrene 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: 3