

**Corning Incorporated  
Life Sciences**

**Registered**  
ISO 9001:2008

# Product Description

**Catalog Number:** 3895

**Product Description:** Corning® 1536-well, non-binding, black plate with clear flat bottom, without lid

**Component Materials:**

- Plate - 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 @ | - | .067 in.                         |
|                     |   |              | Top                    |   |                                  |
| Width of Plate      | - | 3.365 in.    | Width of Square Well @ | - | .0035 in. / .022 cm <sup>2</sup> |
|                     |   |              | Bottom                 |   |                                  |
| Depth of Well       | - | .195 in.     | Plate Height           | - | .410 in.                         |
| Tolerances of       | - | +/- .010 in. | Total well volume      | - | 12.2 µL                          |
| Dimensions          |   |              |                        |   |                                  |
| Recommended working | - | up to 10 µL  |                        |   |                                  |
| volume per well is  |   |              |                        |   |                                  |

**Surface Characterization:**

Surface is characterized to be non-binding.

**Binding Characteristics:**

Each lot has been tested for low well to well protein binding utilizing a standard protein binding technique.

**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.

Functional:

Standard protein binding technique.

**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