

**Corning Incorporated
Life Sciences**

Registered
ISO 9001:2008

Product Description

Catalog Number: 3891

Product Description: Corning® 1536-well, 10µl, non-treated, black plate with clear flat bottom, 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 @ | - | .070 in. |
| | | | Top | | |
| Width of Plate | - | 3.365 in. | Diameter of Well @ | - | .064 in. |
| | | | bottom | | |
| Depth of Well | - | .189 in. | Height without Lid | - | .409 in. |
| Tolerances of | - | +/- .010 in. | Maximum well volume | - | 12.64 µl |
| Dimensions | | | | | |
| Recommended working | - | 11.2µL with head space | | | |
| volume per well | | 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: 2