

**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 Plate - 3.365 in.
- Depth of Well - .189 in.
- Tolerances of Dimensions - +/- .010 in.
- Recommended working volume per well - 11.2µL with head space of .020"
- Width of Square Well @ Top - .070 in.
- Diameter of Well @ bottom - .064 in.
- Height without Lid - .409 in.
- Maximum well volume - 12.64 µl

**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  $\leq 15\%$ .

**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