

**Corning Incorporated  
Life Sciences**

**Registered  
ISO 9001:2008**

# Product Description

**Catalog Number:** 4561

**Product Description:** Corning® 1536 well, tissue culture treated, black plate with clear flat bottom, high web, low base, 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 & H12 longside.

**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 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

**Sterilization:**

This lot has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137 *Sterilization of healthcare products-Requirements for validation and routine control-Radiation sterilization*.  
Sterility Assurance Level: SAL 10<sup>-3</sup>

**Pyrogens:**

The product has been tested and has met the criteria established in the current version of ANSI/AAMI ST 72:2002/(R)2010 *Bacterial Endotoxins - Test methodologies, routine monitoring, and alternative to batch testing*.  
Results: ≤ 0.1 EU/mL (≤ 4EU/device)

**Surface Characterization:**

Surface is characterized to be hydrophilic and negatively charged. The negatively charged, carboxyl surface composition, has been optimized for cell attachment and growth.

**Cell Attachment and Growth Characteristics:**

The product has been tested for the attribute of cell attachment and growth utilizing an attachment-dependent mammalian cell line in a serum supplemented media.

**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 permit direct microscopic viewing.

**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 seal and barrier integrity, accurate labeling and correct product configuration.

Cell Culture Treatment:

Wettability test using water to insure the presence of a hydrophilic surface.

**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.