

**Corning Incorporated  
Life Sciences**

Registered  
ISO 9001:2008

## Product Description

**Catalog Number:** 4564

**Product Description:** Corning® 1536-well, Poly-D-Lysine, 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.
- Poly-D-Lysine - Synthetic or manufactured materials

**Special Feature:**

Barcode label (format 128) on A1 long side and H12 long side.

**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

**Bioburden:**

This product has been tested for bioburden contamination. Results: less than .52% of the wells contaminated

**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 alternatives to batch testing*. Results: ≤ 0.5 EU/mL (≤ 20EU/device)

**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.

**Poly-D-Lysine:**

The plates are coated with a 70 - 150 KD PDL polymer via a proprietary method, which creates a uniform net positive charge on the plastic surface. Manufactured wholly from synthetic or manufactured materials and does not contain any raw materials produced from or substances derived of animal origin.

**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.