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.

Rev No: 2