

Corning Incorporated Life Sciences

Registered
ISO 9001:2008

Product Description

Catalog Number: 3829

Product Description: Corning® 1536-well, multicoated, black plate with clear flat bottom, high web, low base, without lid

Component Materials:

Plate walls	-	Virgin Polystyrene, meets <i>USP, Class VI</i> requirements for plastic containers and closures. Black concentrate
Plate bottom	-	Virgin Polystyrene, meets <i>USP, Class VI</i> requirements for plastic containers and closures.
Poly-D-Lysine	-	Synthetic or manufactured materials
Collagen I	-	Rat-tail Tendons
Gelatin	-	Porcine Type A Gelatin
Fibronectin	-	Human Plasma
Laminin	-	Murine EHS Sarcoma

Product Dimensions:

Length of Plate	-	5.030 in.	Width of Square Well @ Top	-	.070 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	-	16.5µl
Recommended working volume per well	-	14.6µl with head space of .020"			

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 permit direct microscopic viewing.

Surface Characterization:

Surface of this plate will be split into six sections.

Columns 1-8) Poly-D-Lysine: A portion of the plate is coated with 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 from animal origin.

Columns 9-16) Collagen Type I: A portion of the plate is coated with a 300 KD collagen Type I via a proprietary method, which creates a dense, uniform collagen network on the plastic surface. Collagen is derived from rat-tail tendons and is of US origin.

Columns 17-24) Gelatin: A portion of the plate is coated with porcine gelatin Type A via a proprietary method, which makes a uniform, dense gelatin network on the plastic surface.

Columns 25-32) Fibronectin: A portion of the plates is coated with fibronectin via a proprietary method, which creates a uniform, dense fibronectin network on the plastic surface. the fibronectin is used for coating is purified from human plasma that has been tested negative for ABsAg and HIV-I, HIV-II and HCV antibodies.

Columns 33-40) Laminin: A portion of the plate is coated with laminin via a proprietary method, which creates a uniform, dense lamin network on the plastic surface. The lamin is purified from murine(mouse) EHS(Engelbreth-Holm-Swarm) sarcoma(tumor).

Columns 41-48) A portion of the plate is characterized to be hydrophilic and negatively charged, composed of 9-17% oxygen atoms. This surface composition has been optimized for cell attachment and growth.

Performance Testing:

Each manufacturing lot is sampled and tested in accordance with Standard Operating Procedures.

**Corning Incorporated
Life Sciences**

Registered
ISO 9001:2008

Product Description

Catalog Number: 3829

Product Description: Corning® 1536-well, multicoated, black plate with clear flat bottom, high web, low base, without lid

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.

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: 1