

**Corning Incorporated  
Life Sciences**

Registered  
ISO 9001:2008

# Product Description

**Catalog Number:** 3823

**Product Description:** Corning® 96-well multicoated, black plate with clear flat bottom with low evaporation lid

**Component Materials:**

Plate walls	-	Medium Impact 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.
Lid	-	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	-	.143 in.
Width of Plate	-	3.365 in.	Width of Square Well @ Bottom	-	.105 in.
Depth of Well	-	.450 in.	Height with Lid	-	.637 in.
Tolerances of Dimensions	-	+/- .010 in.	Working Volume per well	-	20 µL to 75 µL

**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 1-2) Poly-D-Lysine: A portion of the plate is coated with 70-150 KD PDL ploymer 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 3-4) Collagen Type I: 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 5-6) Gelatin: A portion of the plate is coated with porcine gelatin Type A via a prorprietary method, which makes a uniform, dense gelatin network on the plastic surface.

Columns 7-8) 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 9-10) 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 11-12) Non-Coated: A portion of this 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.

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**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

DOMINIQUE DUTSCHER SAS