

Catalog Number: 4589

Product Description: Corning® 384-well, black with clear bottom plate, low flange, multicoat coated, with 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	-	Human Plasma
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	-	.111 in.
Depth of Well	-	.455 in.	Height with lid	-	.660 in.
Tolerances of Dimensions	-	+/- .010 in.	Working volume per well	-	20 µL to 75 µL

**Optical Characteristics** - 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 1-4) 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 substance derived from animal origin.

(Columns 5-8) Collagen Type I: A portion of the plate is coated with 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 9-12) 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 13-16) Fibronectin: A portion of the plate is coated with Fibronectin via a proprietary method, which creates a uniform, dense fibronectin network on the plastic surface. The Fibronectin used for coating is purified from human plasma that has been tested negative for ABsAg, HIV-1, HIV-II and HCV antibodies.

(Columns 17-20) Laminin: A portion of the plate is coated with Laminin via a proprietary method, which creates a uniform, dense laminin network on the plastic surface. The laminin is purified from murine (mouse) EHS (Engelbreth-Holm-Swarm) sarcoma (tumor).

(Columns 21-24) Non-Coated: 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.

**Quality Control Testing** - Representative production samples are collected and inspected in accordance with current applicable product specifications. Inspection records are reviewed and approved by qualified personnel for product release. Key inspections and inline tests are listed below:

Visual Inspection	-	Pass
Packaging Inspection	-	Pass

- This product met Corning Incorporated – Life Sciences' high standards of quality at the time of batch/lot release.

**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