

**Corning Incorporated  
Life Sciences**

**Registered  
ISO 9001:2008**

## Product Description

**Catalog Number:** 3690

**Product Description:** Costar® 96 well, half area plate, high binding assay plate, flat bottom without lid

**Component Materials:**

Plate - Virgin Polystyrene, meets *USP, Class VI* requirements for plastic containers and closures.

**Product Dimensions:**

Length of Plate	-	5.030 in.	Width of Plate	-	3.365 in.
Diameter of Well @ top	-	.197 in.	Height	-	.560 in.
Diameter of Well @ bottom	-	.177 in.	Depth of Well	-	.415 in.
Tolerances of Dimensions	-	+/- .010 in.	Working Volume per well	-	.19 mL

**Surface Characterization:**

Surface is characterized to be high binding. Binding capacity is approximately 500 ng IgG/cm<sup>2</sup>.

**Optical Characteristics:**

The product is made of clear polystyrene to allow background absorbance to be  $\pm$  .005 optical density units from the mean.

**Binding Characteristics:**

The product is tested for the attribute of well to well protein binding utilizing a modified ELISA to measure precision. Coefficient of variation must be  $\leq$  8%.

**Performance Testing:**

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

Visual Attributes:

Visual and microscopic examination of the product.

Packaging:

Inspection for 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.

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