

**Corning Incorporated
Life Sciences**

**Registered
ISO 9001:2008**

Product Description

Catalog Number: 3590

Product Description: Costar ® 96-well high, binding EIA/RIA 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.	Diameter of Well @ top	-	.270 in.
Width of Plate	-	3.365 in.	Diameter of Well @ bottom	-	.250 in.
Depth of Well	-	.420 in.	Height	-	.560 in.
Tolerances of Dimensions	-	+/- .010 in.	Working Volume per well	-	.36 mL

Surface Characterization:

Surface is characterized to be high binding for EIA/RIA tests. Binding capacity is approximately 500 ng IgG/cm².

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:

Each lot has been tested for the attribute of well to well protein binding utilizing a modified ELISA to measure precision and percent low and high wells from the mean. Coefficient of variation must be \leq 3% and high and low wells \leq 8% from the mean. Product has a Costar Certified Surface Chemistry.

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.
Functional:	Tested for protein binding precision.

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: 5