

**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/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:**

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