

**Corning Incorporated
Life Sciences**

Registered
ISO 9001:2008

Product Description

Catalog Number: 9018

Product Description: Costar® 96-well, 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. | 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. 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: 7