

ZeptoFOG

Uniform and Reproducible Protein Microarray Blocking



Description

ZeptoFOG was especially designed to meet the need for superior microarray chip surface blocking. The ZeptoFOG's patented technology of forming a gently floating blocking aerosol allows a controlled and uniform deposition of blocking agent on the microarray surface. This prevents the deterioration of the spot morphology often observed on conventionally blocked microarrays.

Benefits and Features

- **High spot integrity** no shearing forces from application of blocking solutions
- **Extremely versatile** wide range of aqueous blocking solutions can be used
- **Highly reproducible** controlled process yields uniform distribution of blocking aerosol
- **Ease of use** fast and simple set-up and operation

ZeptoFOG Chip Rack

The ZeptoFOG chip racks enable efficient batch processing with the ZeptoFOG blocking station while maintaining the high quality of the blocking results. Two racks each holding 20 ZeptoCHIPs can be loaded in the ZeptoFOG to be blocked in a single run. The chips can stay in the blocking racks for the subsequent washing and drying, so handling is simplified and efficient for increased throughput.

Benefits

- **Batch blocking for up to 40 ZeptoCHIPs in ZeptoFOG**
- **Simple washing and drying batch process**
- **No chip transfer needed for washing and drying of chips**
- **High quality reproducible blocking results**



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Specifications ZeptoFOG

Chemical compatibility	aqueous solutions pH 6-10
Capacity	2 ZeptoFOG chip racks with 20 ZeptoCHIPs each, 10 microscope slides 1" x 3"
Buffer volume	100 mL
Typical process time	≤20 min
Temperature control	by optional external thermostat
Dimensions	diameter: 0.23 m / 9.2 in, height: 0.21 m / 8.3 in
Weight	4.7 kg / 10.4 lbs
Power requirements	220 V - 240 V, 50 Hz / 110 V - 120 V, 60 Hz
Ambient conditions	20°C - 30°C, 68°F - 86°F, <70% humidity, non-condensing

Specifications ZeptoFOG Chip Rack

Capacity	20 ZeptoCHIPs
Chemical compatibility	aqueous solutions pH 6-10
Dimensions	microplate footprint width: 127 mm / 5 in, depth: 85 mm / 3.35 in, height: 23 mm / 0.91 in
Weight	55 g / 0.12 lbs

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Description

1200	ZeptoFOG (230V)
1210	ZeptoFOG (115V)
1250	ZeptoFOG Chip Rack
9040	ZeptoMARK Blocking Buffer BB1, one ZeptoFOG load
9041	ZeptoMARK Blocking Buffer BB1, 10 ZeptoFOG loads