96-Well Filter Plate

【Catalog】

FCM-B01M

【Size】

1 Plate

【Description】

The membrane of this plate has a consistent physical structure with a smooth surface morphology, this makes it ideal for use in bead based assays as the microspheres do not get trapped in the membrane, allowing for efficient bead recovery. The filter plate is suggested no more than 350μL and no less than 1.2μm loading.

【Specifications】

Items	Details
Sample Volume	≤350 μL
Recommended Beads Size	≥1.2 μm
Height	1.8 cm
Length	12.8 cm
Width	8.6 cm
Recommended Operating Vacuum	10 in Hg

【Applications】

This is recommended to operate with Flow Cytometry Multiplex Bead Assay, to replace the 96-Well (V-bottom) in the kit for easy operation and saving time.

【Attention】

1. Vacuum manifold for 96-Well plates is required, if choosing this plate.
2. Do not remove the plastic underdrain from the plate before filtering samples. Once the underdrain has

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been removed, filtrate collection is not possible.

【Example procedure for assay】

1. Add serial dilutions of calibrator, or properly diluted blood samples to 96-Well Filter Plate.
2. Add beads suspension working solution to 96-Well plate.
3. Seal the plate. Incubate at a certain temperature for a certain time, with continuous shaking to ensure the beads always suspended homogenously in the solution. Avoid light.
4. Note: Wrap the 96-Well plate by aluminum foil, or keep orbital shaker in the dark.
5. Place the 96-Well plate on the manifold. Remove the sealing film and remove supernatant by vacuum.
6. Add 1 × wash buffer to each well, mixed by pipetting up and down, for a certain times.
7. Place the 96-Well plate on the manifold and remove wash buffer by vacuum.
8. Add detection antibody working solution.
9. Seal the plate. Incubate at a certain temperature for a certain time, with continuous shaking to ensure the beads always suspended homogenously in the solution. Avoid light.
10. Place the 96-Well plate on the manifold. Remove the sealing film and remove supernatant by vacuum.
11. Add 1 × PBS to each well, mixed by pipetting up and down. Ensure the beads well separated and not aggregated.
12. Subject to flow cytometry analysis.
13. Note: Resuspend beads immediately prior to reading by pipetting up and down.

【Shipping and Storage】

The plate is stable at room temperature for 2 years. Do not freeze.

The product is shipped at room temperature.

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