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# Magnetic 96-Well Separator

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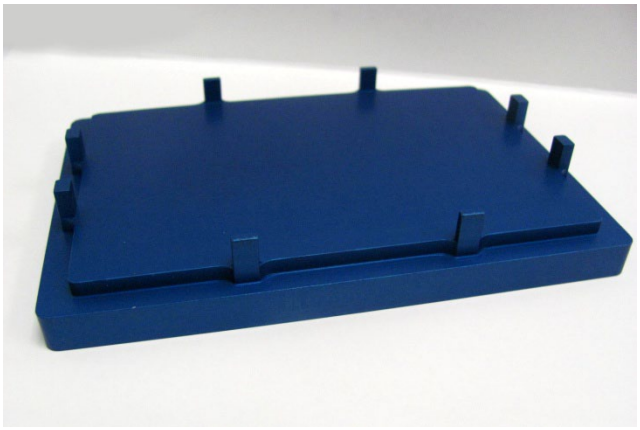
**Catalog Number: A14179** **Store at room temperature**

## Product Description

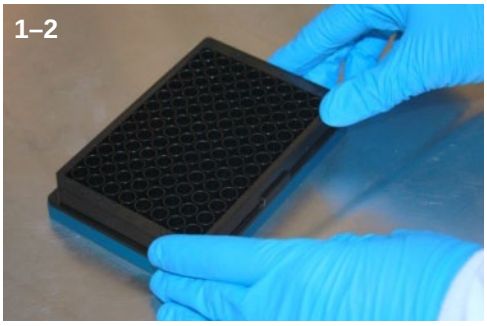
The Magnetic 96-Well Separator is designed for fast and simple removal of supernatant from samples bound to magnetic particles, and may be used manually or as an integrated part of an automated workstation. The Magnetic 96-Well Separator is ideal for use in singleplex and multiplex biological assays based on the Luminex® xMAP® Technology. These assays make use of Luminex® MagPlex, or magnetic microspheres, and the MAGPIX®, Luminex 200®, or FLEXMAP 3D® instruments.



## Caution

The Magnetic 96-Well Separator is a powerful magnet and should be handled with care to avoid personal injury. Hands and skin can be pinched if caution is not taken. Keep sensitive electronic devices away from the Magnetic 96-Well Separator.

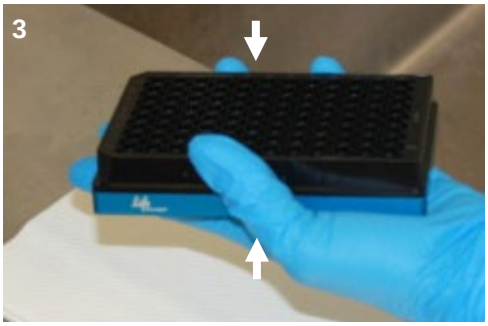
## Recommended manual washing procedure for use of the Magnetic 96-Well Separator and magnetic microspheres




1. Place a 96-well flat-bottom plate with beads onto the plate magnet.

   **Note**: A standard Greiner 96-well mylar flat-bottom plate (Cat. no. 655096), or equivalent is recommended for use with the Magnetic 96-Well Separator.

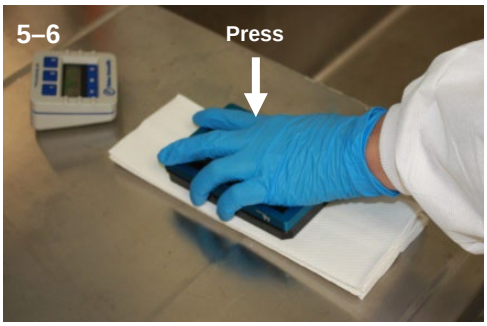
2. Allow the plate to soak for 60–90 seconds.




3. Lift the plate magnet while holding the plate securely in place on top, and invert the magnet and plate (held securely together) over an appropriate disposal container.


4. Gently shake out excess fluid.

   **Important**: When discarding fluid over a sink or waste container, use caution. Splashing may lead to contamination of plate wells and negatively impact results. Avoid adding bleach to the disposal container until washing is complete.




5. Keep the magnet and plate (held securely together) upside down, and blot the plate on a short stack of paper towels.
6. Tap the magnet and plate on dry paper towels several times to assure equal evacuation from all wells.



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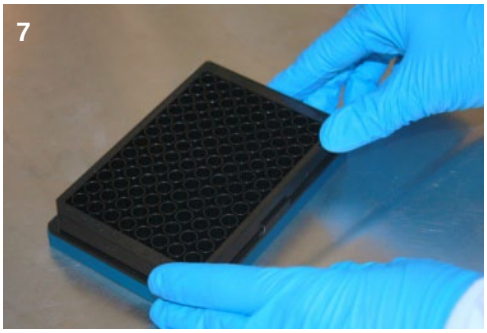
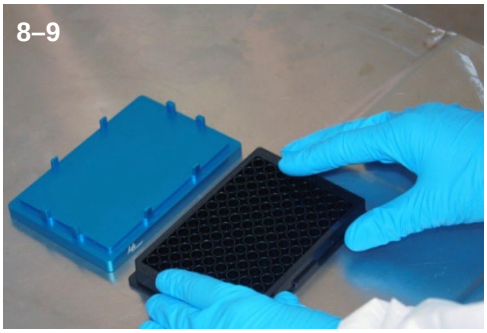



7. Return the magnet and plate to the right-side up position on the benchtop.




8. Remove the plate from the magnet to add additional wash solution, or for incubation.
9. Repeat, for any additional washes as needed.

## Recommended Pipetting Technique

We recommend using a modified reverse pipeting technique for all pipeting during assay setup to increase precision and limit reagent loss due to residual fluid volumes within pipette tips. A multi-channel pipette is also recommended for adding common reagents to the plate.

1. Set the pipette to the appropriate volume needed.
2. Press the plunger button slowly to the first stop and then press slightly past it (just enough past to aspirate a very small extra volume of the reagent). Alternatively, to mix the solution or sample before pipeting, pipet up and down slowly several times going to the first stop only (this allows residual fluid to build up in the tip).
3. Immerse the tip into the liquid, just below the meniscus.
4. Release the plunger button slowly and smoothly to the top resting position to aspirate the set volume of liquid. Drag the tip up the side of the tube or reservoir to remove excess volume from the outside of the tip(s).
5. Place the end of the tip against the inside wall of the recipient vessel at an angle above the fluid level.
6. Press the plunger button slowly and smoothly to the first stop. **Do not go past the first stop**. A small volume of residual liquid remains in the tip, and should not be dispensed.
7. Drag the tip out of the well while keeping the pipette pressed to the first stop and return to step 3 above if reusing tips and contamination is not an issue or change tips when contamination is possible.

## Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at **www.invitrogen.com/sds**.

## Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to **www.invitrogen.com/support** and search for the Certificate of Analysis by product lot number, which is printed on the box.

**Explanation of symbols**

| Symbol | Description | Symbol | Description |
|---|---|---|---|
| REF | Catalogue Number | LOT | Batch code |
| RUO | Research Use Only | IVD | *In vitro* diagnostic medical device |
| | Use by | | Temperature limitation |
| | Manufacturer | EC REP | European Community authorised representative |
| [-] | Without, does not contain | [+] | With, contains |
| Protect from Light | Protect from light | | Consult accompanying documents |
| | Directs the user to consult instructions for use (IFU), accompanying the product. | | |

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