



# ANTIBODY COLLECTION TRAY

Instructions for Use with the  
SNAP i.d. Protein Detection System

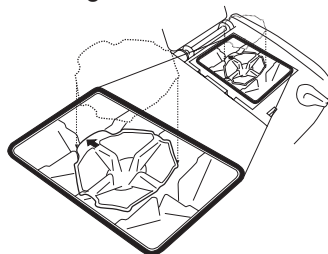
*Before using the antibody collection trays, please read the SNAP i.d. Protein Detection System User Guide completely.*

**IMPORTANT:** Antibody collection trays may be used with single or double well blot holders only. Insert collection trays in the manifold chambers immediately after the blocking step!

1. Follow the instructions in the SNAP i.d. Protein Detection System User Guide for system set-up, blot assembly and immunodetection through step 9.1 (blocking).
2. Open the lid and remove the blot holder from the system.
3. Place the antibody recovery tray(s) in the chamber with the tabs positioned as indicated below. The tabs may be labeled for sample identification.

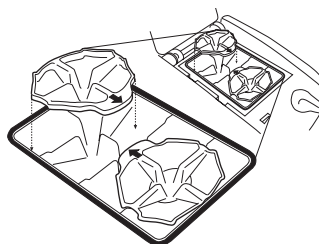
**NOTE:** The antibody collection tray(s) must be seated correctly in the chamber in order to capture the antibody from the blot holder.

Position of antibody tray  
for single well blot holder:



**Tab faces the back of the system**

Position of antibody trays  
for double well blot holder:



**Tabs face each other**


4. Place the blot holder back into position and close the system lid.
5. Apply the primary antibody as indicated in step 10 of the **Immunodetection Protocol**.
6. After the 10-minute primary antibody incubation, turn the vacuum on and wait 10 to 20 seconds to ensure that all of the antibody solution has been emptied from the blot holder and collected.
7. **TURN VACUUM OFF.** Distribute 2.5 mL of wash buffer (see system user guide for details) for a single well blot holder or 1 mL of wash buffer for a double well blot holder. This additional wash will drive all remaining antibody from the membrane into the collection tray and is essential for maximal recovery. Turn the vacuum on again and wait 10 to 20 seconds until all wash buffer has been completely pulled through the blot holder.  
**NOTE:** The antibody recovered from the collection tray will be slightly diluted, however the additional wash step is required to displace the dead volume in the blot holder and to maximize antibody recovery. The wash volume can be increased slightly, if required to improve recovery.
8. **TURN VACUUM OFF.** Open the lid and remove the blot holder and antibody collection tray(s). Transfer the antibody to a suitable container, place the blot holder back into the system and continue with steps 11 through 15 of the **Immunodetection Protocol**.

## TROUBLESHOOTING

Symptom	Possible Cause	Solution
Low antibody volume recovery	Antibody collection tray(s) are not seated properly	Insert collection tray(s) with tabs positioned as described on reverse side.
	Inadequate vacuum	Make sure tubing connection between system and vacuum source is secure. Make sure trap is empty and that the in-line Millex®-FA filter has not gotten wet. Make sure system gaskets are clean and free of debris or salt. Make sure that the vacuum source is delivering 12" Hg (410 millibar).
Antibody activity very low after re-use	Inadequate washing to remove antibody from blot holder	Wash with 1 - 2.5 mL. Volume can be increased slightly to improve recovery. Make sure to distribute the wash buffer over the blot holder. (See Step 10 of the SNAP i.d. system user guide.)
Unexpected protein bands	Re-use of blot holder	Blot holders are intended for single use. Do not re-use.
	Re-use of antibody collection tray	Antibody collection trays are intended for single use. Do not re-use.

## Product Ordering Information

See Technical Assistance section for information about contacting Millipore. Also buy Millipore products on-line at [www.millipore.com/products](http://www.millipore.com/products).

Description	Material of Construction	Cat. No.	Qty/Pk
Antibody Collection Tray	Styrene-butadiene copolymer* 	WBAV DAB TR	20/ea

\* The antibody collection tray is recyclable. Refer to local regulations for appropriate disposal.

## Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call 1-800-MILLIPORE (1-800-645-5476). Outside the U.S., see your Millipore catalogue for the phone number of the office nearest you, or visit the tech service page on our web site at <http://www.millipore.com/techservice>.

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