

PRODUCT NAME: NeutrAvidin Coated OptiMax™ Automation Plate

CATALOG NUMBER: OMP-NAV

LOT NUMBER: OMP/NAV-03212013-1/4A

Description

OptiMax™ automation plate coated with NeutrAvidin, and blocked with OptiBlock™ to prevent nonspecific binding.

Detectable range

The NeutrAvidin Coated OptiMax™ automation plate has ability to detect 5 to 5000 ng/mL of biotinylated mouse IgG in indirect ELISA assay.

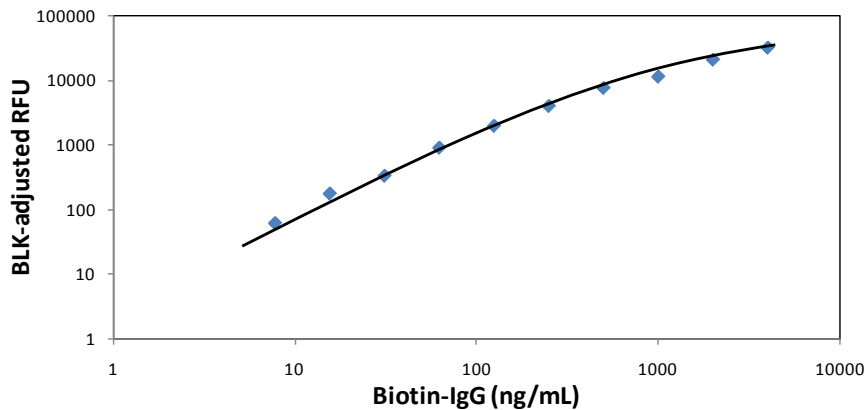


Figure 1. Binding capacity of the NAV-OptiMax plate. Plate were incubated with biotinylated mouse IgG, washed (using flush method for OptiMax™ automation plates), incubated with HRP conjugated anti-mouse IgG antibody, washed (using flush method) and OptiGlow™ chemifluorescence substrate was added and incubated. Signal measured with microplate fluorescence reader.

Storage/Stability/Handling

The NeutrAvidin Coated OptiMax™ automation plate is stored in sealed metalized pouch with desiccants to prevent moisture. Recommended storage at 2-8°C for a defined length of time (expiry date indicated on label).

Bring the sealed pouch back to room temperature before usage.

Recommended Use for Optimiser™/OptiMax™ Based Assays

The product should be used in conjunction with other buffers and substrate supplied by Siloam for OptiMax™ based assay. An automatic pipetting system is required to transfer the solution into the plate. Use the same reader setting and automation system configurations for OptiMax™ automation plate. An example ELISA protocol is shown on next page. **OptiBlock™ MUST be used for washing after capture antibody incubation, as shown in step 2 in Assay procedure.**

Example ELISA Protocol using NeutrAvidin Coated OptiMax™ Automation Plates

A. Materials Required

- OptiWash™
- 5µg/mL* Biotinylated capture antibody in OptiBlock™ buffer
- Antigen in appropriate diluents
- Enzyme-labeled detection antibody at appropriate concentration* in OptiBlock™ buffer
- OptiGlow™ substrate, prepare the working solution within 30 minutes before loading into the plate

B. Assay Procedure

1. Add 5µL of the biotinylated capture antibody to each well and incubate for 10 minutes at room temperature.
2. Add 5µL of the *OptiBlock™* to each well and wait for 10 minutes at room temperature.
3. Add 5µL of the antigens to each well and incubate for 10 minutes at room temperature.
4. Add 5µL of the OptiWash™ to each well and wait for 10 minutes at room temperature.
5. Add 5µL of the enzyme conjugated detection antibody to each well and incubate for 10 minutes at room temperature.
6. Add 30 µL of the OptiWash™ to each well and wait for 10 minutes at room temperature.
7. Add 30 µL of the OptiWash™ to each well and wait for 10 minutes at room temperature.
8. Add 5µL of the OptiGlow™ working solution to each well and incubate for 15 minutes at room temperature.
9. Read.

**Concentrations of antibodies need to be optimized with titration test.*

Contents	Quantity	Product number	Lot number	Storing Info
NeutrAvidin Coated OptiMax™ Automation Plate	1	OMP-NAv	OMP/NAv-03212013-1/4A	Upon receipt store at 2-8°C.

Material Safety Data Sheets (MSDS) are available on the Siloam Biosciences' web site. (<http://www.siloambio.com>)

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

OptiMax™ automation plates (including the NeutrAvidin Coated OptiMax™ Automation Plate) are specifically designed for use with automated pipetting systems. Use of these plates with manual pipetting is NOT recommended.

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