



Protocol for the Attachment of Biotinylated Antibodies onto 0.1 mm NeutrAvidin™ Glass Beads

The unique properties of 0.1 mm glass beads allow for easy and efficient capture of cells and proteins from complicated matrices with low non specific binding properties. The following protocol is a basic protocol to be used to bind a biotin labeled antibody onto NeutrAvidin™ Glass Beads.

Materials:

1. Biotin labeled antibody: 1 ml of 100 µg/mL
(We recommend that the antibody concentration be at least 100 µg/mL and the mole to antibody ratio be greater than 5:1)
2. 0.1 mm NeutrAvidin™ Glass Beads: 0.1-0.5 grams

Protocol:

1. Take 0.1 – 0.5 g 0.1 mm NeutrAvidin™ Glass Beads and remove storage buffer.
2. Wash beads with 1 mL 1X PBS. Remove PBS and repeat wash two more times.
3. Add 1 mL of the 100 µg/mL biotin labeled antibody.
4. Incubate while gently agitating, on a shaker or slow rotisserie, at room temperature for 2-24 hours. (0.1% Sodium Azide can be added to prevent contamination.)
5. Remove antibody solution and read absorbance at 280 nm to determine binding percentage of antibody.
6. Wash beads 3 times with 1X PBS.
7. Store in 1X PBS with 0.1% Sodium Azide.

For further information please visit our website at www.creatvmicrotech.com

Related Products

GB-100-B	0.1 mm Biotin Glass Beads
GB-100-PA	0.1 mm Protein A Glass Beads (also comes as Protein G)
GB-500-N	0.5 mm NeutrAvidin™ Glass Beads
GB-500-B	0.5 mm Biotin Glass Beads
GB-500-PA	0.5 mm Protein A Glass Beads (also comes as Protein G)
GB-1000-N	1.0 mm NeutrAvidin™ Glass Beads
GB-1000-B	1.0 mm Biotin Glass Beads
GB-1000-PA	1.0 mm Protein A Glass Beads (also comes as Protein G)
GHB-N	Hollow Glass Beads with NeutrAvidin™
GHB-B	Hollow Glass Beads with Biotin
GHB-PA	Hollow Glass Beads with Protein A (also comes as Protein G)
GMS-N	Microscope Slides with NeutrAvidin™
GMS-B	Microscope Slides with Biotin
GMS-PA	Microscope Slides with Protein A (also comes as Protein G)
GCT-1-N	Capillary Tubes with NeutrAvidin™
GCT-1-B	Capillary Tubes with Biotin
GCT-1-PA	Capillary Tubes with Protein A (also comes as Protein G)