

Datasheet

Cat#NBGN-100123

Version# RN5.9



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| Product Name | NebuChem™ Protein A Magnetic Beads (Ultra High Affinity) |
| Size | 1ml; 5ml; Bulk |
| Description | NebuChem™ Protein A Magnetic Beads (Ultra High Affinity)(CAT#NBGN-100123) are super paramagnetic beads with diameter of 45-100µm, covalently coated with alkaline tolerant protein A. The beads are supplied as 25% slurry in 20% ethanol. NebuChem™ Protein A Magnetic Beads (Ultra High Affinity)(CAT#NBGN-100123) have a binding capacity of 40mg human IgG per 1 ml settled beads. They can be reused for up to 40 cycles. A total of 20% reduction in binding capacity is observed after 40 cycles. |
| Principle | The sample containing antibody is added to the NebuChem™ Protein A Magnetic Beads (Ultra High Affinity)(CAT#NBGN-100123) and incubated on a shaker overnight or 2 hours (depending on the concentration of samples) for the antibody to bind to the beads. The antibody bound to the beads can be eluted off by using acidic elution facilitated by a magnetic separation device. Magnetic separation eliminates the need for centrifugation, minimizes the loss of sample and makes the process more userfriendly. |
| Storage and Stability | This product is stable until the expiration date of 2 years, when stored unopened at 2-8°C. Freezing is prohibited the product. Keep them magnetic beads in liquid suspension during storage and all handling steps. Drying will cause loss of binding capacity and result in reduced performance. Resuspend the beads well before use. |
