

Large-Scale Protein and Nucleic Acid Purification

Precipitor™ Plus is a fully automated magnetic bead platform for large-scale protein and nucleic acid purification. Precipitor™ Plus can process up to 5 ml of sample volume and handle 1 to 24 independent samples from a wide range of sources including DNA, RNA, protein, cell/tissue lysates, whole blood, serum, and plasma. The robotic arm consisting of parallel magnetic rods transfers the sample from one well to the next via the action of magnetic beads for mixing, binding, washing and elution reactions. The system contains pre-programmed reaction protocols which the user can select directly from the on-screen display. It also allows for modification and creation of new protocols via an external PC. The whole reaction process takes only 30-120 minutes depending on the specific experiment. Precipitor™ Plus simplifies the labor intensive operation, shortens cycle time, and delivers faster results for your research and clinical studies.

Applications

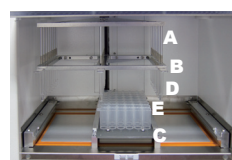
- Immunoprecipitation
- Chromatin-Immunoprecipitation
- RNA-Immunoprecipitation
- Recombinant Protein Purification
- Nucleic Acid Purification

Advantages

- Process up to 5ml of sample volume
- Handle 1 to 24 independent samples
- Deliver reproducible and consistent results
- Allow walk away operation
- Ease of use and flexible platform









(A) Magnetic rods
(B) Cover strip rack
(C) 24 deep well plate rack
(D) 8-channel cover strip
(E) 24 deep well plate



Accessory

Magnetic Beads





- Naked Bead 
- Indirect Antibody Conjugation
 - Protein A Bead 
 - Protein G Bead 
- Direct Antibody Conjugation
 - IP and ChIP Ab Bead 
 - Goat Anti-Mouse Bead 
- Protein Purification
 - Anti-His Bead 
 - Anti-GST Bead
 - Anti-FC Bead
 - Anti-Myc Bead

DNA/RNA Purification Kits

- Blood DNA Extraction Kit (Pre-filled)
- Blood RNA Extraction Kit (Pre-filled)
- Tissue DNA Extraction Kit (Pre-filled)
- Tissue RNA Extraction Kit (Pre-filled)
- Rice DNA Extraction Kit (Pre-filled)
- Plant DNA Extraction Kit (Pre-filled)
- Plant RNA Extraction Kit (Pre-filled)

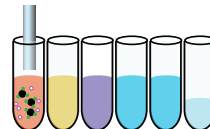
See Abnova website under "Systems" for more accessory reagents.

Principle

-  Magnetic protein A bead
-  Antibody
-  Target
-  Non-specific

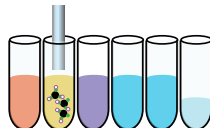
Step 1

Mix antibody with protein A beads



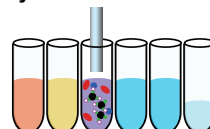
Step 2

Blocking to remove non-specific binding



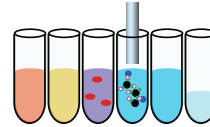
Step 3

React with sample lysate



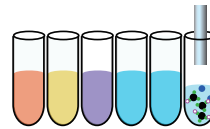
Step 4

Wash with PBS/T



Step 5

Elute



Step 6

Release

