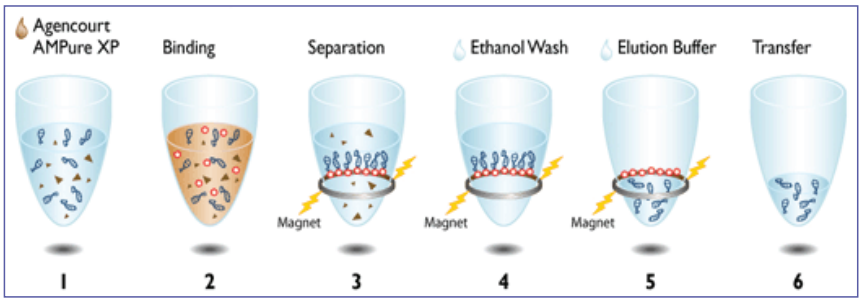
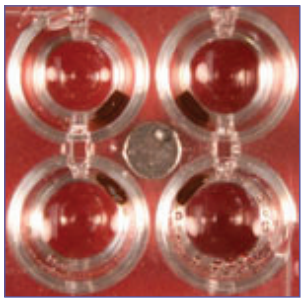
Genomics

Mag Bead DNA Purification

The Lynx 96 SV Standard Volume Syringe Pipetting Tool simplifies magnetic bead DNA purification.



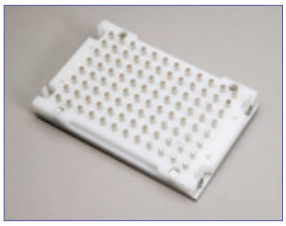


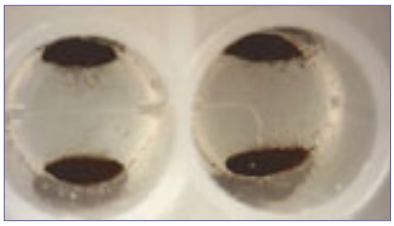
Mag Bead DNA Purification

Preparation of high quality human genomic DNA (gDNA), needed to successfully carry out genetic screening processes for clinical research and forensic profiling laboratories, is a common bottleneck.

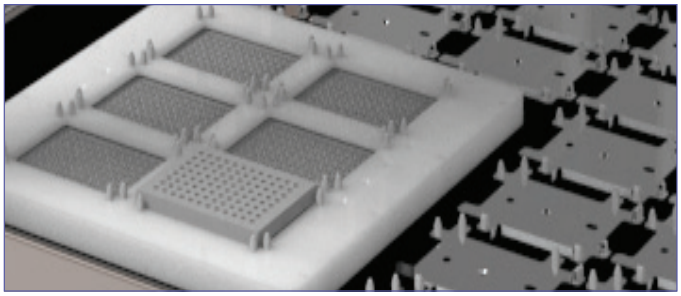
Challenges include the wide variety of difficult-to-obtain blood and tissue sample cell types, dependable removal of contaminants (especially heme) that affect downstream analysis, minimizing user exposure to human pathogens.

Magnetic bead technology is recognized as combining high quality gDNA production with compatibility for high- throughput robotic processing.





Magnetic Separation Carried Out In-Deck



Lynx In-Deck Magnetic Lifter

The Lynx Liquid Handling Robotic Platform accomplishes this Mag Bead purification through the use of in-deck magnets that raise and lower under the purification plate.

This ‘mag deck’ allows fully automated methods without requiring a gripper tool to keep moving plates on and off a magnet location, further simplifying the process.

Either 96 or 384 well style magnetic plates may be used within the lifter for pull purification flexibility.

Method Manager 4.0 now completely controls the DNA purification process without the need for tedious gripper tool teaching.

Simplicity is the key to higher throughput and ease of use.