

## ABSTRACT

The present invention provides a magnetic bead purification system, including: a housing; a liquid path treatment system provided inside the housing, the liquid path treatment system being connectable to a reagent barrel and a waste liquid barrel; a sample addition needle group connected to the liquid path treatment system, the sample addition needle group being movable within the housing and connected to the liquid path treatment system, so as to receive a reagent from the liquid path treatment system or to discharge a waste liquid to the liquid path treatment system; a purification magnetic separation system, including a magnetic element, the purification magnetic separation system being controllable to apply a lateral magnetic force to a purification treatment position inside the housing or stop the application of the magnetic force by the magnetic element; and a purification station system movable between a purification treatment position inside the housing and a loading position outside the housing, the purification station system being adapted to load a container. The magnetic bead purification system of the present invention can easily achieve large capacity sample treatment.