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Magnetic Bead Separation

National Cancer Institute

Source

National Cancer Institute. *Magnetic Bead Separation*. NCI Thesaurus. Code C19304.

A cell-separation technique where magnetizable microspheres or beads are first coated with monoclonal antibody, allowed to search and bind to target cells, and are then selectively removed when passed through a magnetic field. Among other applications, the technique is commonly used to remove tumor cells from the marrow of patients who are to undergo autologous bone marrow transplantation.