

Whole Blood EPCAM protein-coupled magnetic MicroBeads

Cat. No. EPCAM-2571M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 40 mL whole blood

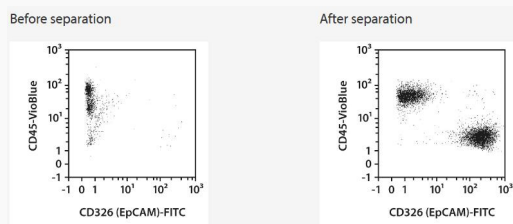
Background

StraightFrom Whole Blood CD326 (EpCAM) MicroBeads have been developed for the positive selection of human epithelial cells directly from anticoagulated whole blood by using the autoMACS Pro Separator or the Whole Blood Column Kit. No sample preparation is required, including density gradient centrifugation or erythrocyte lysis.

Epithelial cell adhesion molecule (EpCAM), which is also known as CD326 and human epithelial antigen (HEA), is broadly expressed on cells of epithelial origin and on epithelial derived tumor cells.

StraightFrom Whole Blood CD326 (EpCAM) MicroBeads are used for the positive selection of viable epithelial tumor cells from peripheral blood of patients with carcinomas.

Analysis



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Enrichment of tumor cells from whole blood sample spiked with cells from a breast cancer cell line (SK-BR3) using StraightFrom Whole Blood CD326 (EpCAM) MicroBeads and the program "Posselwb" on the autoMACS Pro Separator. Cells are fluorescently stained with CD326 (EpCAM)-FITC and CD45-VioBlue and analyzed by flow cytometry using the MACSQuant Analyzer. Cell debris and dead cells were excluded from the analysis based on scatter signals and propidium iodide fluorescenc

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