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Buffer 1 and Buffer 2 for magnetic bead-based CD4+ T cell isolation with Dynabeads

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Magnetic bead-based CD4+ T cell isolation from PBMCs with Dynabeads: CD4 Positive Isolation Kit
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PREVIEW

RUN

Buffer 1 composition g/ml:

BSA 0.250 g

EDTA 0.2235 g

Add PBS (Ca²⁺ and Mg²⁺ free) to 240 ml, adjust to **pH 7.4** with NaOH or HCl, bring to 250 ml with PBS.

The substances are in the closet 1 and in refrigerator 1 (Room TS08), weigh the substances with Gibertini balance (Room TS08).

Filter buffer 1 using sterile syringe and filter.

Sterile filters and syringes are in closet 1 (Room PS03).

Storage: **4 °C** refrigerator 2 - (Room PS03).

Buffer 2

RPMI/FBS 1% (v/v): prepare with sterile RPMI and FBS (Fetal Bovine Serum). Both can be found in refrigerator 2 - (Room PS03).

Prepare 50 ml of RPMI/FBS by adding **500 µl** of FBS to **49.5 ml** of RPMI, work under a laminar flow hood (Room PS03).

Storage: **4 °C** refrigerator 2 - (Room PS03).

BSA: catalog number A2153, Sigma, Italy

RPMI: catalog number ECM0495L, Euroclone, Italy.

FBS: catalog number ECS0180L, Euroclone, Italy.

EDTA: catalog number ED2SS, Sigma, Italy

Prymo siringe filter: catalog number EPSPE2230 Euroclone, Italy.