

RosetteSepä Cord Blood Progenitor Enrichment Kit

Catalog # 15276

PRODUCT DESCRIPTION:

This kit enriches human hematopoietic progenitor cells from umbilical cord blood by depletion of mature cells expressing CD2, CD3, CD14, CD16, CD19, CD24, CD56, CD66b and GlyA. Each kit provides enough antibody cocktail and separation media for at least 500 mL of cord blood.

Kit contains:

RosetteSepä Human Progenitor Enrichment Cocktail	Catalog # 15026	2 x 2.0 mL
Hetasepä	Catalog # 07906	1 x 100 mL
Ficoll-Paque® PLUS	Catalog # 07907	3 x 100 mL

COMPONENT DESCRIPTIONS:

RosetteSepä Human Progenitor Enrichment Cocktail

This cocktail contains a combination of mouse and rat monoclonal antibodies purified from mouse ascites fluid or hybridoma culture supernatant by affinity chromatography using Protein A or Protein G Sepharose. These antibodies are bound in bispecific antibody complexes which are directed against cell surface antigens on human hematopoietic cells (CD2, CD3, CD14, CD16, CD19, CD24, CD56, CD66b) and glycophorin A on red blood cells. The mouse monoclonal antibody subclass is IgG₁.

It should be kept in mind that this product is a biological reagent, and as such cannot be completely characterized or quantified. Some variability is unavoidable.

Formulation:

Tetrameric antibody complexes in phosphate buffered saline with trace amounts of Borate (0.04 mM) and Sodium Azide (0.00025%).

Stability and Storage:

Stable at 4° C for 2 years. Do not freeze this product. Contents sterile in unopened tube.

Hetasepä

HetaSep™ is a hetastarch solution used for the separation of nucleated cells from red blood cells in peripheral blood and cord blood.

Formulation:

Each 100 mL contains Hetastarch, Sodium Chloride, Sodium Lactate, Dextrose, Calcium Chloride, Potassium Chloride and Magnesium Chloride.

Stability and Storage:

Stable for at least two years at room temperature.
Contents guaranteed sterile if seal is not tampered with.

Ficoll-Paque® PLUS

Ficoll-Paque® is recommended for the isolation of mononuclear cells from peripheral blood or bone marrow.

Formulation:

5.7% w/v Ficoll 400, 9.0% w/v Diatrizoate Sodium with Edetate Calcium Disodium in Water for injection U.S.P.

Stability and Storage:

Stable at room temperature for at least one year.
Store at room temperature.
Contents guaranteed sterile if seal not tampered with.

DIRECTIONS FOR USE:

For instructions, refer to RosetteSep™ Cord Blood Progenitor Enrichment Kit Procedure (Document # 28365)

**THIS REAGENT IS FOR RESEARCH USE ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

Ficoll-Paque® is a registered trademark of Pharmacia Biotech.