

Immunostep

STEM CELL KIT Reagent kit for the quantitative determination of the Stem cells

PRINCIPLE

The SCK kit is designed to enumerate total and viable CD34 cells and to calculate their percentage as accurately, reproducible, and rapid enumeration as possible. It uses a tube with spheres of known number that allows us estimate of the cells using single platform.

CE

ADVANTAGES

It is a single tube assay allows us to calculate simultaneously the percentage and the absolute number of cells per microliter os sample.

2 The kit allows us to identify non-viable cells and non-specific background signal.

Identification quick and easy way to double-positive CD45 / CD34.

REAGENTS SUPPLIED WITH THE KIT

	SCK-25T	SCK-50T
Vial A	25 test CD45/CD34	50 test CD45/CD34
Vial B	25 test CD45/lgGl	50 test CD45/IgGI
Stepcount	50 test	100 test
7-AAD	50 test	100 test
10X NH4CI Lysing Solution	5 ml	IO ml

Required apparatus: Flow cytometer with 488nm.

ASSAY PROCEDURE



ANALYSIS EXAMPLE

Example of a fresh bone marrow (BM) specimen following analysis. Sample: 100 ul BM.



The absolute number of the cell population of interest is determinated by dividing the number of cells of interest acquired by the number of beads acquired (FL1/ FL2), and multiplying this result by the microsphere concentration (microsphere concentration is indicated in the label on the tube).

CAUTION: 7-AAD is a potential carcinogen. It is recommended that the user wear protective clothing, gloves, and eye/face protection in order to avoid contact with skin and eyes.



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