

CD34

(Flow Cytometry)

Type of specimen

CD34 Viability	%
Percentage viable CD34	%
CD34 viable Absolute counts	cells /uL

Comments

CD34 expression is seen in immature hematopoietic precursor cells and all hematopoietic colony forming cells in bone marrow & blood including unipotent & pluripotent progenitors. CD34 population is approximately 1-3% of nucleated cells in the bone marrow, 0.001-1% of peripheral blood cells, 0.3-2% of cord blood cells and 0.01-5% in cytapheresis preparations. Certain non-hematopoietic cells like endothelial cells also express CD34.

CD34 expression is also seen in :

- Hematopoietic malignancies like Acute Myeloblastic Leukemia (50-60%), B cell lineage Acute Lymphoblastic Leukemia (60-80%) & T cell lineage Acute Lymphoblastic Leukemia (30-40%)
- Non-hematopoietic malignancies of breast, lung & Neuroblastomas