

Protocol PLT Spin Medium

PLT Spin Medium for the isolation of platelets via density gradient centrifugation.

Directions for use

Check that recommended medium, blood sample, density gradient medium and centrifuge are all at room temperature.

Layer over density gradient medium

1. Dilute sample with Wash Buffer or PBS. See table for recommendations:

Whole Blood (ml)	Wash Buffer (ml)	Density Gradient Medium (ml)	Tube Size (ml)
1	2	2	15
3	6	3	15
5	10	3	15
15	15	15	50

2. Layer the diluted sample on top of the density gradient medium

Spin

3. Centrifuge for 15 minutes at 800 x g at room temperature with the **brake off**.

Collect

4. Carefully remove the platelets fraction from the density gradient medium: plasma interface.
5. After collecting the cells from the interface into a fresh tube.

Wash

6. Fill up reaction tube with wash buffer.
7. Spin down cells 10 minutes with 700 x g (no or small brake) at 4°C.
8. Reconstitute pellet with 1 ml of wash buffer by carefully pipetting
9. Repeat steps 6 to 7.
10. Reconstitute pellet at your desired volume.

