pluriSpin® Human PLT Depletion (2 ml)

Product Images

Description

pluriSpin® Human PLT Depletion is designed to isolate pure, viable and untouched platelets-low population from whole blood, buffy coat, cord blood or similar sample material by negative isolation. The product labels Platelets, while the isolated human platelets-low population are left in the sample. When centrifuged over a density medium. The unwanted cells pellet along with the RBCs. The purified platelets-free population are present as a highly enriched population at the interface between the plasma and the density medium.

Problems with platelet contamination

- Reduce purity of enriched cells in fresh blood and even more if the blood sample is older than 8 hours.
- To prevent platelet activation samples containing platelets should be handled gently
- Platelets disturb your cell culture by taking space and setting free growth factors and other mediators
- Platelets can create cell clumps
- Platelets are sticky and can easily bind to other cells (i.e. monocytes, eosinophils)
- Platlets can affect FACS analysis and cause large variation of DNA content

Solution and advantages with pluriSpin® Human PLT Depletion

- Depletion without the use of beads
- Increases purity of enriched cells through a density gradient centrfugation in one step
- Can be combined with negative separation technniques such as pluriSpin®
- Rare cell enrichment will be improved (e.g. in use with pluriSpin® CD45 Depletion)
- Minimum manipulation of blood sample due to shorter centrifugation step (compared to standard protocol with platelet density gradient)
- Cell enrichment from blood samples older than 8 hours will be improved

Additional Information

Size	2 ml
Delivery Time (days)	1-2
Species	Human
Cell Types	Platelets
Sample Material	Whole Blood, PBMC, Buffy Coat, Cord Blood, Bone Marrow, Primary Cell Solution
Purity	>90%
Storage Condition	4-8 °C
Regulatory Statement	For research use only. Not for use in diagnostic procedures,