

Blood Collection Guidelines

Suitable samples



- [Whole blood](#)
- [PBMCs](#)



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- [PBMCs](#)



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- [PBMCs](#)

Unsuitable samples

- ✗ Flash-frozen sample
- ✗ Fresh blood in vacutainers
- ✗ Plasma
- ✗ Serum
- ✗ Blood from RNA collection tubes

Human Blood Collection



Requirements for human whole blood

Sample collection and processing



Use Teiko's [TokuKit](#) or provide your own [SmartTube](#) buffers.

Supports blood collection with [EDTA](#), [heparin](#) or [citrate](#) vacutainers.



Samples should be fixed with the [Stable-Lyse](#) [Stable-Store](#) protocol.



Volume requested: [1 - 2 mL blood](#).

Storage & Shipping



Whole blood can be stored at [-80°C](#) or [liquid nitrogen](#) (LN).



Whole blood can be stored for [several months](#) (-80°C) or [years](#) (LN).



Ship on [dry ice](#).



Requirements for human PBMCs

Sample collection and processing



PBMCs can be isolated through Ficoll or CPT tubes.



No fixation required, viably cryopreserve.



Volume requested: 0.5 - 1 M cells.

Storage & Shipping



PBMCs should be stored in liquid nitrogen.



In liquid nitrogen, PBMCs can be stored for several years.



Ship on dry ice.

NHP Blood Collection



Requirements for NHP whole blood

Sample collection and processing



Use Teiko's TokuKit or provide your own SmartTube buffers.
Supports blood collection with EDTA, heparin or citrate vacutainers.



Samples should be fixed with the Stable-Lyse Stable-Store protocol.



Volume requested: 1 - 2 mL blood.

Storage & Shipping



Whole blood can be stored at -80°C or liquid nitrogen (LN).



Whole blood can be stored for several months (-80°C) or years (LN).



Ship on dry ice.



Requirements for NHP PBMCs

Sample collection and processing



PBMCs can be isolated through Ficoll or CPT tubes.



No fixation required, viably cryopreserve.



Volume requested: 0.5 - 1 M cells.

Storage & Shipping



PBMCs should be stored in liquid nitrogen.



In liquid nitrogen, PBMCs can be stored for several years.



Ship on dry ice.

Murine Blood Collection



Requirements for murine whole blood

Sample collection and processing



Collect blood with EDTA anticoagulant tubes.



Samples should be fixed with the Smart Tube PROT1 protocol.



Volume requested: 100 - 200 μ L blood.

Storage & Shipping



Whole blood can be stored at -80°C or liquid nitrogen (LN).



Whole blood can be stored for several months (-80°C) or years (LN).



Ship on dry ice.



Requirements for murine PBMCs

Sample collection and processing



PBMCs can be isolated through Ficoll or CPT tubes.



No fixation required, viably cryopreserve.



Volume requested: 0.25 - 0.75 M cells.

Storage & Shipping



PBMCs should be stored in liquid nitrogen.



In liquid nitrogen, PBMCs can be stored for several years.



Ship on dry ice.