

PLASMA SEPARATION AT POINT OF COLLECTION

RapiSep

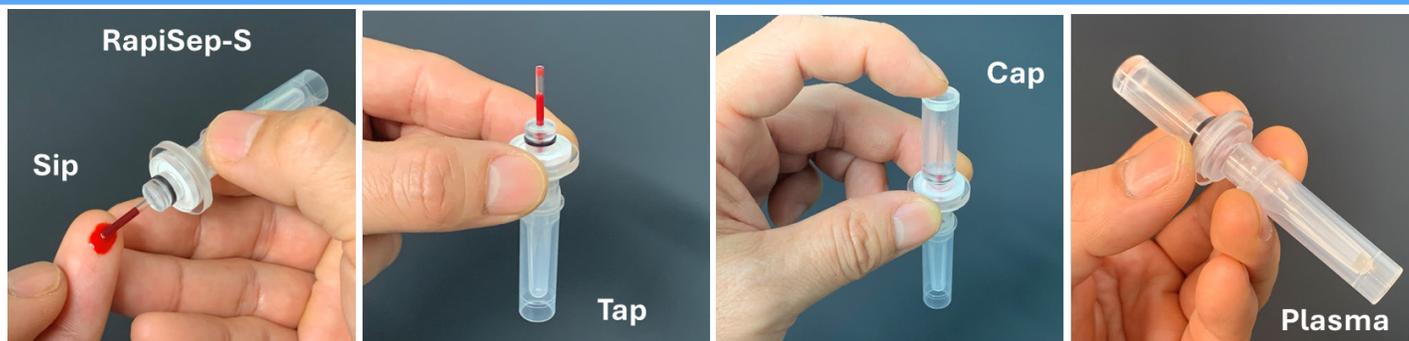
RapiSep is simple-to-use, hand-held, and self-contained device for plasma separation from whole blood. It is an ideal yet low-cost tool for decentralized use to prepare centrifuge-grade plasma. RapiSep offers a new capability of collecting plasma at the patient side to eliminate blood transportation and centralized processing steps, i.e. centrifugation.

RapiSep simplifies sample processing workflow, and enables decentralized testing and point-of-collection labs.

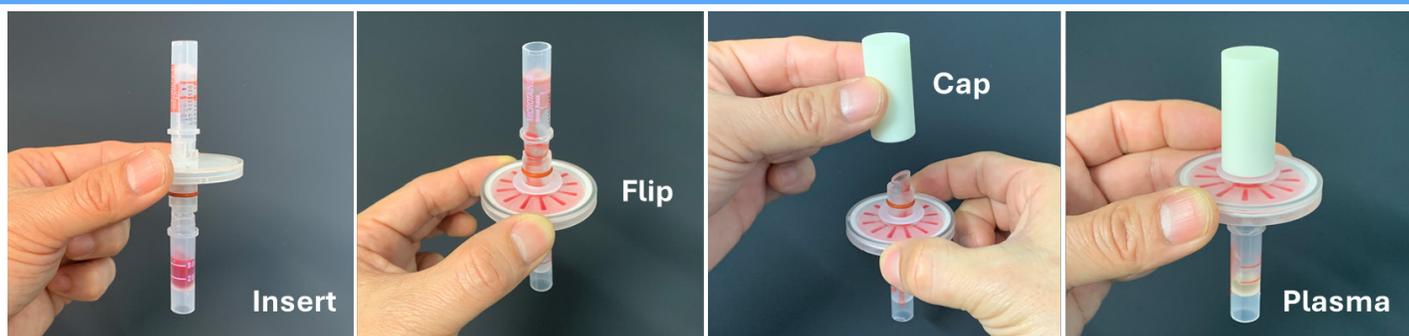
-  Rapid plasma separation in less than 1 minute
-  3 simple steps, sip-tap-cap or insert-flip-cap
-  Easy use anywhere by anyone
-  No battery, no instrument, no reagents
-  High quality, centrifuge-grade plasma
-  Compatible with capillary blood to venous draws
-  Sample-sparing plasma separation technique
-  Self-contained, safe collection and processing
-  Reduce complexity in lab workflow and analysis



Directly collecting plasma from skin - from drops to 600 microliters



Separating blood in a tube to plasma - works with any anticoagulated blood



RapiSep performances are shown with the three sizes designed to work with a variety of capillary blood collection techniques - fingerstick, heelprick, vacuum and microneedle assisted lancing.

Hemolysis is minimized with our proprietary blood flow engineering design and material treatment. Hemoglobin in RapiSeped plasma is comparable to centrifuged plasma.

Consistent plasma and protein yield across a variety of volume, viscosity, hematocrit, and anticoagulant.

	RapiSep-S	RapiSep-M	RapiSep-L
Separation Time	20 s	30 s	45 s
Plasma Yield	60%±3%	60%±3%	60%±3%
Plasma/Blood	>30%	>30%	>30%
Blood Input	40 µL	150 µL	0.6 mL
Plasma Output	15±2 µL	60±5 µL	220±5 µL
Hemoglobin	0.03 g/dL	0.03 g/dL	0.03 g/dL
RBC+WBC	0 K/µL	0 K/µL	0 K/µL

Simplify diagnostic workflows: rapid at-home, DTC, OTC and in-field testing, patient-side monitoring, clinical trials; Plasma biomarkers, antibodies, electrolytes, micronutrients, allergens, drug molecules, viral DNA/RNA.

Simplify animal research: Collect blood and prepare plasma samples at the cage side.

Simplify veterinary diagnostics: Farm animal diagnostics, veterinary health monitoring of live stocks.



Simplifying decentralized diagnostics | Pioneering sample processing