

RapiSEP: Handheld Plasma Separation Device, a Low-Tech Adjunct Enhancing Far-Forward Blood testing

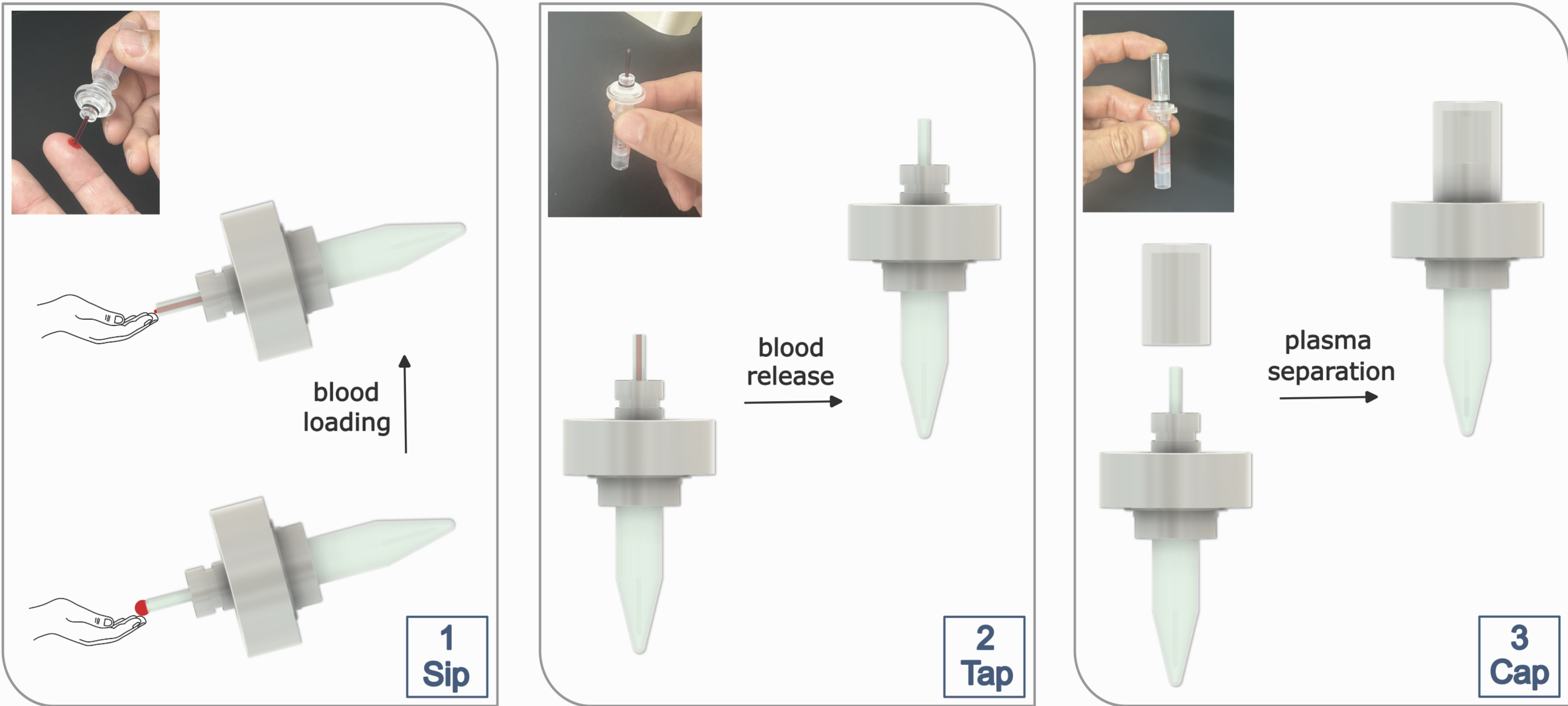
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Operation

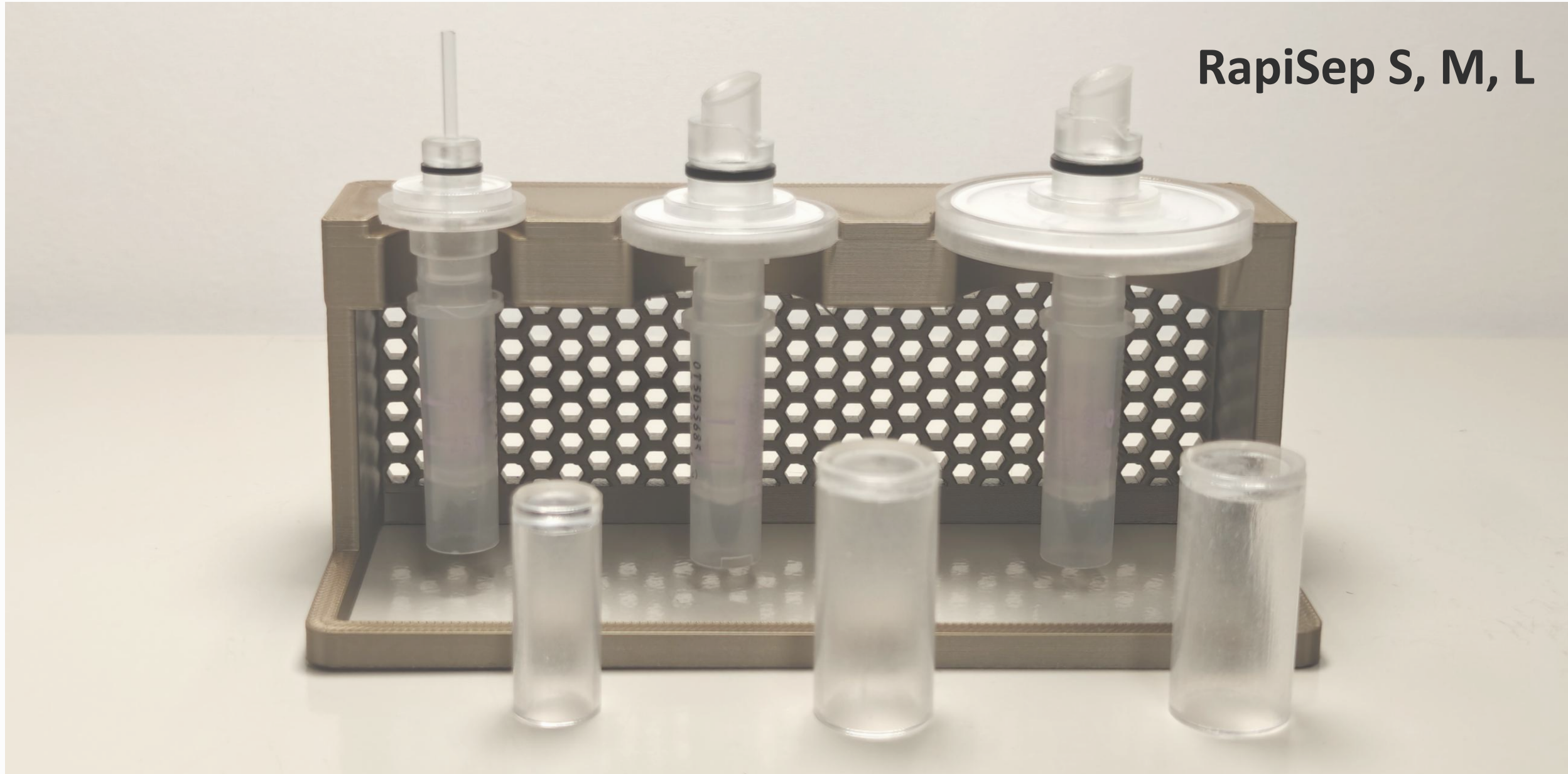
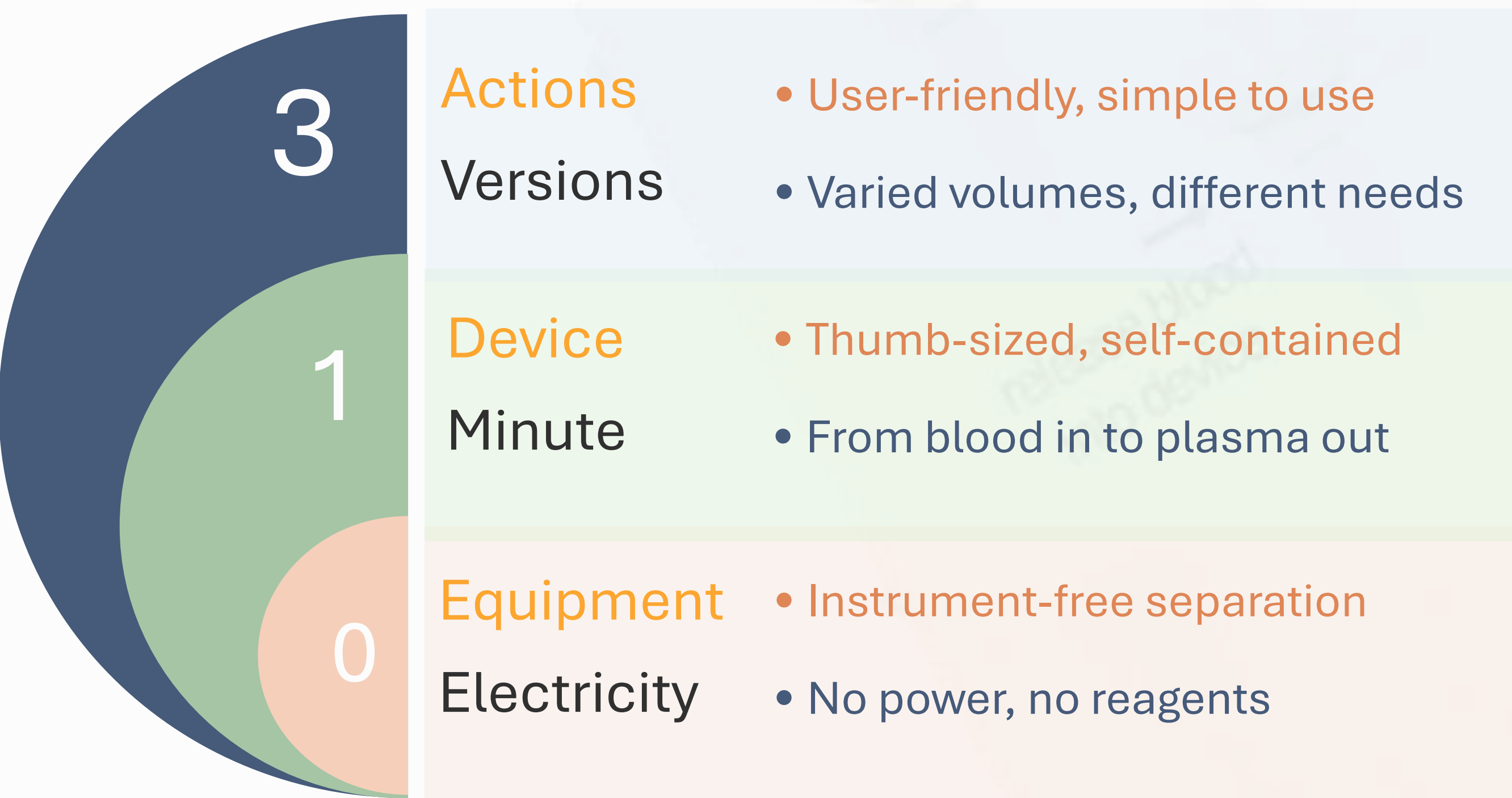


- Sip**
automatically sample in a fixed volume of blood
- Tap**
spontaneously release blood preparing for separation
- Cap**
autonomously activate a plasma separation process

Plasma
in **3**
Actions



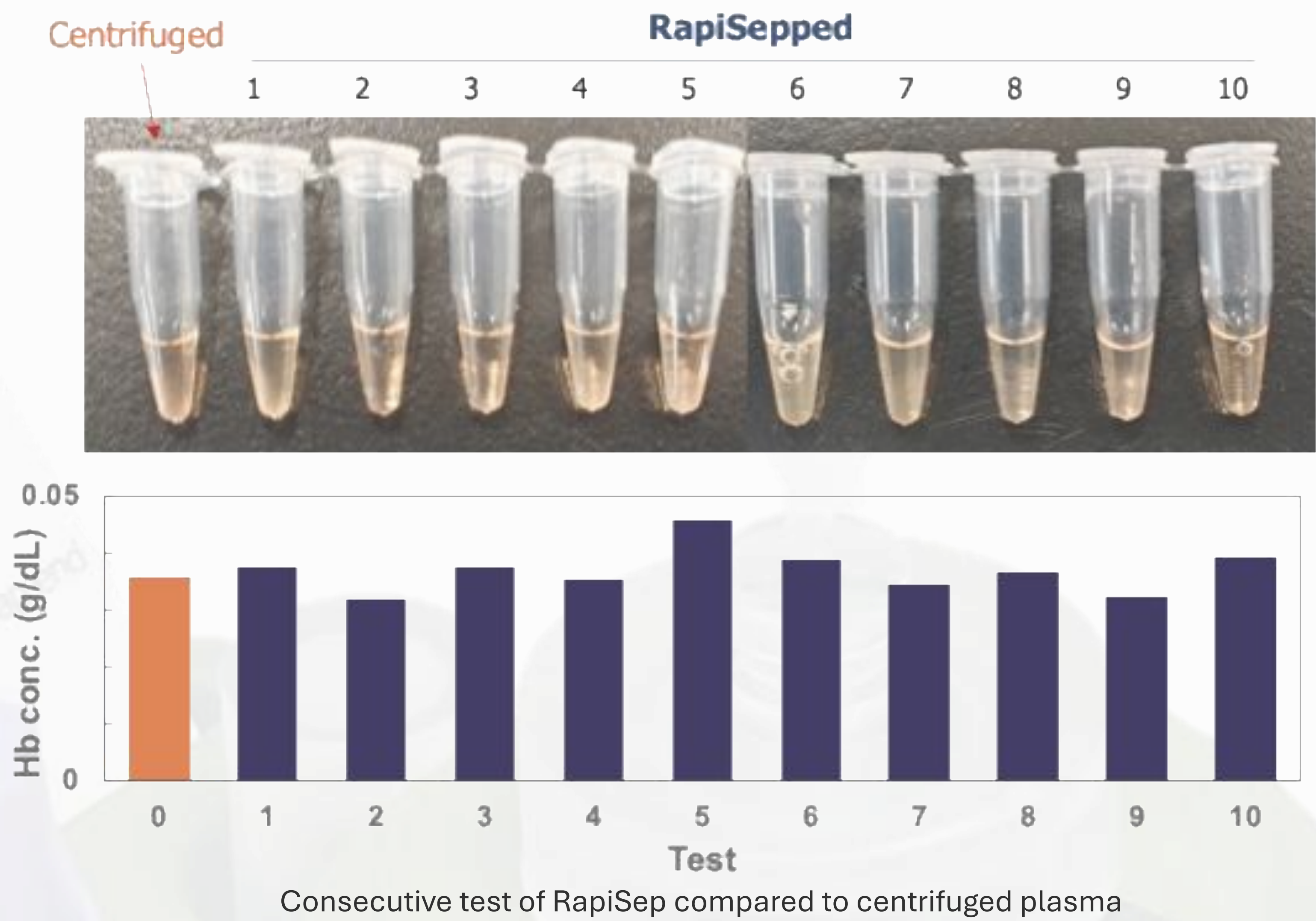
Characteristics



	RapiSep-S	RapiSep-M	RapiSep-L
Blood	35 μ L	150 μ L	0.6 mL
Plasma	12 μ L	50 μ L	0.2 mL
Antigen/Antibody Test		Multiplexed small molecules	Nucleic acid
Use	at-home	in-clinic	PoC

RapiSep is **customizable** to meet minimum sample volume requirement for specific assays

Performances



RapiSep All Series

Separation Time **1 min**

Plasma Yield **30%**

Plasma Recovery **56%**

Hemoglobin Conc. **0.1 g/dL**

36%-48% hematocrit

Applications

