

Viscous liquid dispenser

For Big Kahuna and Junior

Unchained Labs' viscous liquid dispense technology combines positive displacement tips with a flexible tool changer that allows a single arm on a Big Kahuna or Junior to be used for accurate pipetting of solutions with viscosities from 1–1150 cP and volumes from 10 µL – 10 mL.

Specifications

PDT dispense head for Eppendorf tip
large volume (0.1–10 mL) volumetric dispense – Newtonian fluids

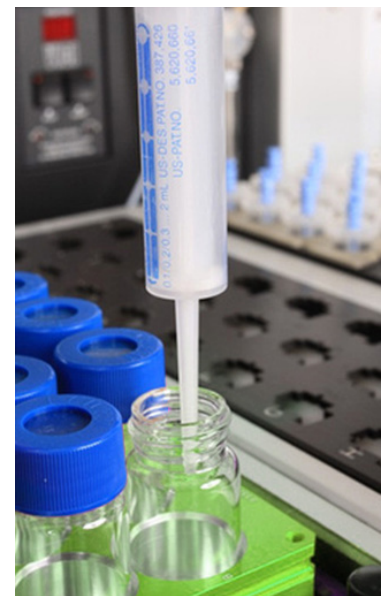
Unchained Labs part number	Tip size	Eppendorf part number	Dispense volume	Accuracy	Precision	Viscosity range
SG145816	0.1 mL	022265954	0.01–0.1 mL	±5 µL	5%	1–1000 cP
	0.2 mL	022266004	0.05–0.2 mL	±4%	2%	
	0.5 mL	022266101	0.1–0.5 mL	±4%	2%	
	1.0 mL	022266209	0.2–1.0 mL	±4%	2%	
	2.5 mL	022266306	0.5–2.5 mL	±4%	2%	
	5.0 mL	022266403	1.0 –5.0 mL	±4%	2%	
	10.0 mL	022266501	2.0–10 mL	±4%	2%	



Eppendorf tips 1–10 mL



Rainin tool and tip



Eppendorf tips 1–10 mL

PDT dispense head for Rainin tips
low volume (5–1000 µL) volumetric dispense – Newtonian fluids

Unchained Labs part number	Matching tip size	Rainin part number	Dispense volume	Accuracy	Precision	Viscosity range
SG155588-002	10 µL	C-10	5–9 µL	±10%	10%	1–1150 cP
SG155588-001	25 µL	C-25	5–24 µL	±20%	20%	1–20 cP
				±10%	10%	20–1150 cP
SG155588-001	50 µL	C-50	10–49 µL	±25%	25%	1–20 cP
				±15%	5%	20–1150 cP
SG155588-002	100 µL	C-100	20–100 µL	±3%	3%	1–1000 cP
SG155588-001	250 µL	C-250	50–250 µL	±2%	2%	
SG155588-003	1000 µL	C-1000	200–1000 µL	±2%	2%	

Gravimetric dispense – Newtonian fluids

Unchained Labs part number	Tip size	Rainin part number	Dispense mass	Accuracy	Precision	Viscosity range
SG155588-003	1.0 mL	C-1000	30–1000 mg	±20 mg	10 mg	1–1000 cP



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