

Biohit Mechanical Stepper



The Biohit Mechanical Stepper is an easy to use positive displacement dispenser which allows rapid multi-dispensing of pre-set volumes up to 48 times in succession without refilling.

The unit comes complete with an adapter for 25 ml and 50 ml tips.





Biohit Mechanical Stepper and Biohit Dispenser Tip system Performance specifications

Tip volume (ml)	Dosage volume					Imprecision (%)	Inaccuracy (%)
	1	2	3	4	5		
Adjustment on dispenser							
Number of steps	48	23	15	11	8		
0.10	2 µl	4 µl	6 µl	8 µl	10 µl	< 1.6 %	< ± 3.0 %
0.20	4 µl	8 µl	12 µl	16 µl	20 µl	< 1.3 %	< ± 2.0 %
0.50	10 µl	20 µl	30 µl	40 µl	50 µl	< 0.5 %	< ± 0.8 %
1.00	20 µl	40 µl	60 µl	80 µl	100 µl	< 0.9 %	< ± 0.9 %
2.50	50 µl	100 µl	150 µl	200 µl	250 µl	< 0.4 %	< ± 0.8 %
5.00	100 µl	200 µl	300 µl	400 µl	500 µl	< 0.3 %	< ± 0.4 %
10.00	200 µl	400 µl	600 µl	800 µl	1000 µl	< 0.5 %	< ± 0.6 %
25.00	500 µl	1000 µl	1500 µl	2000 µl	2500 µl	< 0.3 %	< ± 0.2 %
50.00	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl	< 0.2 %	< ± 0.2 %

The data for tips 0.5 and 2.5 ml are based on a measurement carried out with a 100 µl pipette tip. The performance specifications apply to the Biohit Mechanical Stepper and Biohit Dispenser Tips (non-sterile) System.

Features include:

- Easy single handed operation
- Lightweight (105 g) yet robust construction
- Maintenance-free design
- Compatible with a wide range of dispenser tips
- Ideal for dispensing aqueous and viscous liquids
- Dispensing volumes from 1 µl to 5000 µl (min. volume with Biohit Dispenser Tips is 2 µl)
- Its ergonomic design and positioning of the dosage button in the upper part of the device allow single-handed volume selection, loading and dispensing.
- Choose quickly and effectively according to the requirements of your applications between the highest precision or maximum repetitions of your desired dosage volume.
- 48 dispensing steps at intervals of 1 second without the need to refill thus saving 90 % of the working time required by the usual pipetting technique
- Tested according to ISO 8655-1

Ordering Details

Cat. No.	Description
725700	Biohit Mechanical Stepper including adapter for 25 ml and 50 ml syringe tips



Distributed by:

Biohit Dispenser Tips Ordering details

Cat. No.	Volume (ml)	Type	Qty/Unit
792017	0.1	Non sterile	100
792018	0.2	Non sterile	100
792019	0.5	Non sterile	100
792020	1.0	Non sterile	100
792021	2.5	Non sterile	100
792022	5.0	Non sterile	100
792023	10.0	Non sterile	100
792024	25.0*	Non sterile	25*
792025	50.0*	Non sterile	25*
792036	Adapter for 25 and 50 ml tips, 3 pcs./unit		

* includes 1 adapter/unit



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