

BIOHIT

Innovating for Health

Biohit Roboline™

- your automate



Free your hands
- automate your
pipetting



Biohit Roboline™

- your automate

The Biohit Roboline is the ideal companion to automate your routine pipetting work. This small, quiet and compact liquid handling automate is easy to place anywhere in the lab. Open programmability and the fast drag-and-drop function make the automate easy to use and suitable for a wide range of applications. With this companion you can simply automate a single work stage or a whole application. The robotic dispensing module guarantees that your results are accurate and precise without human error. In short, it has been designed with you in mind.

Your automate benefits you

- Precise pipetting minimizing human error
- Saves your time and increases efficiency
- Small footprint in laboratory
- Easy to use



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www.biohit.com/roboiline



Green Facts



- Low energy consumption
- Minimal consumable use
- Designed for durability and easy maintenance

Easy to use

- Learn programming in 15 minutes, load your work and free your hands for other tasks ①
- Save your application and use it again - no need for reprogramming
- The removable tray makes loading and unloading easy and efficient
- Keep your reagents cold by cooling the racks
- The surfaces and the removable tray are easy to clean

Flexible for all applications

- Use your favourite vials - Biohit racks adopt a wide range of laboratory tubes ②
- Pipette single wells, rows, columns, entire plates or any combination
- Flexible software allows a wide application range
- Application examples: cherry picking, lipid accession, aliquotation, dilution series, cell division and many more

Reliable results behind your back

- Get accurate and precise results - fully electronic pipetting operation minimizes human pipetting errors ③
- Get reliable results over the whole volume range from 5 to 200 μl
- Liquid-level sensing ensures successful pipetting even in small volumes
- The closed environment protects your samples and reagents from contaminations

Safe and ergonomic

- The Roboline Sampler software checks for inconsistencies in the pipetting sequence
- Protect yourself from Repetitive Strain Injury (RSI) - let Roboline do your routine pipetting
- Decrease exposure to toxic or contaminative solutions - Roboline will do your hazardous work
- Enjoy a quiet environment due to low noise level
- A door sensor to ensure safety



Learn in
15 min



Programme
your
application



Load your
samples



Biohit Roboline Technical Specifications

adoptable plate types	SBS-format deep-well and normal 96-, 48-, 24-, 12- and 6-well plates		
adoptable tube types	Laboratory tubes with height 30-95 mm (1.18"-3.74") and width 8-24 mm (0.31-0.94). 1.5 and 2.0 ml microtubes		
fluid delivery	Electronic air displacement pipette, single-channel, volume range 5 - 200 µl		
pipetting modes	Forward pipetting (P), reverse pipetting (rP), multiple dispensing (d), diluting (dd) Note: in rP and d modes it is recommended to dispense in the liquid		
performance specifications	volume	systematic error	random error
	20 µl	3.0%	1.0%
	100 µl	1.0%	0.3%
	200 µl	0.6%	0.2%
	*in pipetting mode, with pre-wetting, with distilled water, at 20°C.		
liquid level sensor	Integrated to the pipette (with conductive tips)		
computer	Contact your local Biohit representative		
pc software	Roboline Sampler for Windows		
power supply	100 to 240 VAC 50/60 Hz		
power consumption	<20 W (typ.) in operation		
dimensions	347 mm D x 346 mm W x 381 mm H (13.7" D x 13.6" W x 15.0" H)		
weight	11.5 kg (25.4 lbs)		
capacity	4 x full plate (SBS standard size, holds any combination of tips/plates/tubes /capillaries etc) AND simultaneously 2 x half size plates (SBS/2 standard size)		
temperature range	15°C–40°C (59°F–104°F)		
warranty	1 year on instrument, manufacturer's warranty on computer		
compatible tips	Biohit Robotic Tip, 250 µl, 5x960 pcs, conductive; RNase, DNase, endotoxin free Biohit Robotic Filter Tip, 120 µl, 5x960 pcs, conductive; pre-sterilized; RNase, DNase, endotoxin free		



890100 Biohit Roboline, 1-ch, 5-200 µl (does not include computer)



890200 Roboline 24 Tube Rack (for Ø 8–17 mm tubes)



890201 Roboline 12 Tube Rack (for Ø 8–17 mm tubes)



890202 Roboline 5 Tube Rack (for Ø 14–24 mm tubes)



890203 Roboline Micro Tube Rack (for 1.5 & 2.0 ml microtubes)



890260 Biohit Waste Container, 4 pcs



783073 Biohit Robotic Tip, 250 µl, 5x960 pcs Conductive; RNase, DNase, endotoxin free



783101 Biohit Robotic Filter Tip, 120 µl, 5x960 pcs Conductive; pre-sterilized; RNase, DNase, endotoxin free



890650 Biohit Roboline Starter Kit
Containing: 4xWaste container, 1xRoboline 24 Tube Rack, 1xRoboline 5 Tube Rack, 1xBiohit 250 µl Conductive Tip (960 pcs)



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