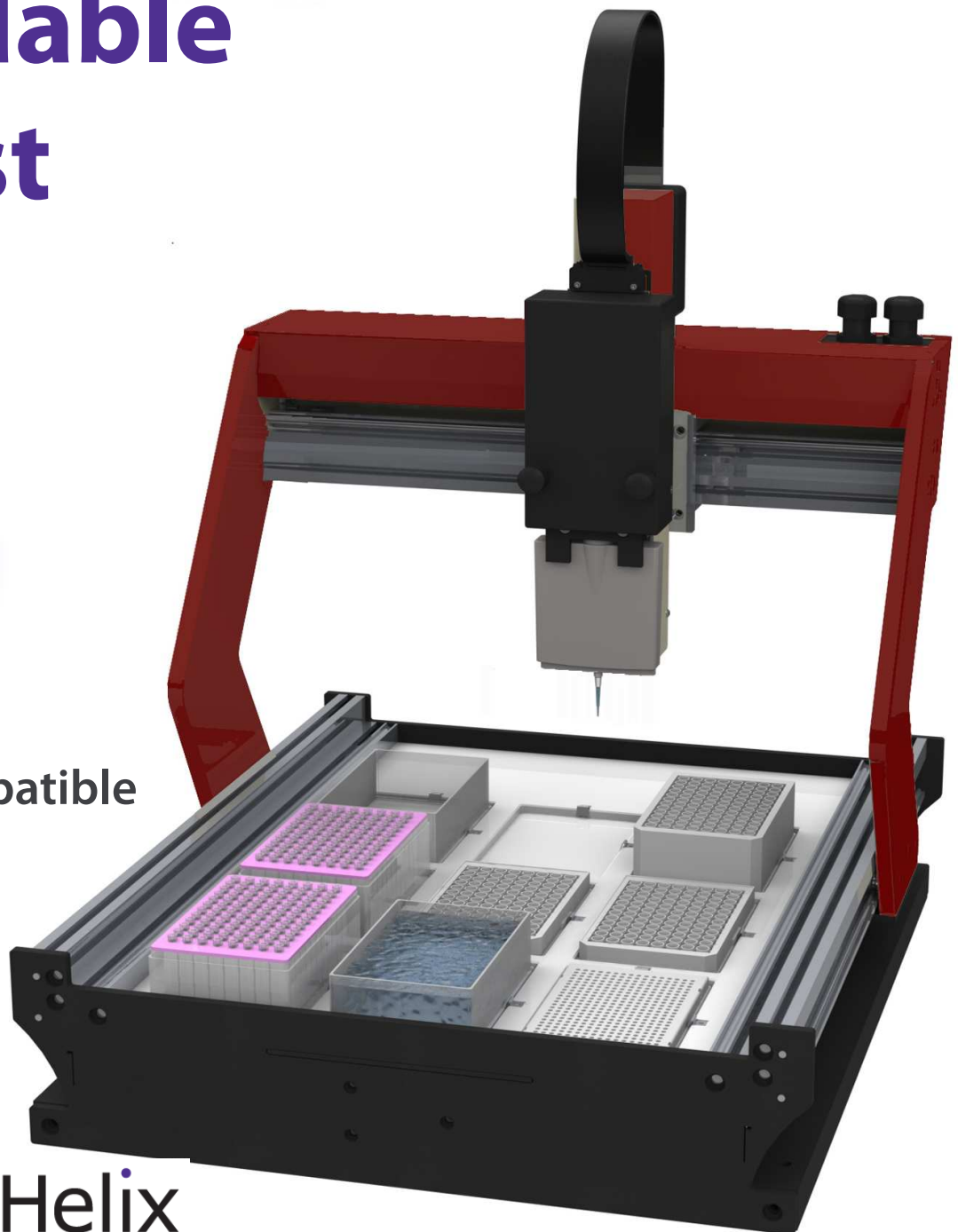


Automate your PCR setup **αBot™**

Affordable
Robust
Smart

αXtract™ compatible



Get the full potential out of your qPCR instrument.

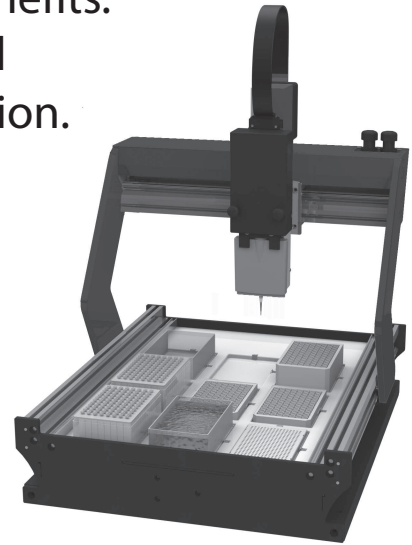
Setup of quantitative PCR reactions require the highest pipetting precision and automation provide great benefits.

The α Bot utilizes software based liquid level tracking which ensures accuracy and precision.

Robust and compact.

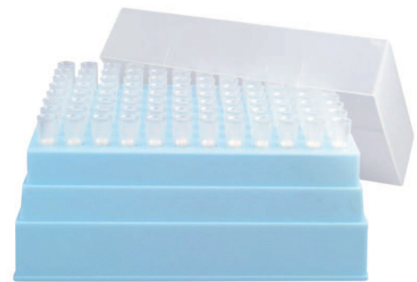
The robotic arm is supported on two sides for improved stability and precision.

The α Bot is only 46 cm wide.



Affordable.

The robot is truly affordable. The use of standard robotic tips also keeps the running cost low.



Value your staff - minimize injury risk.

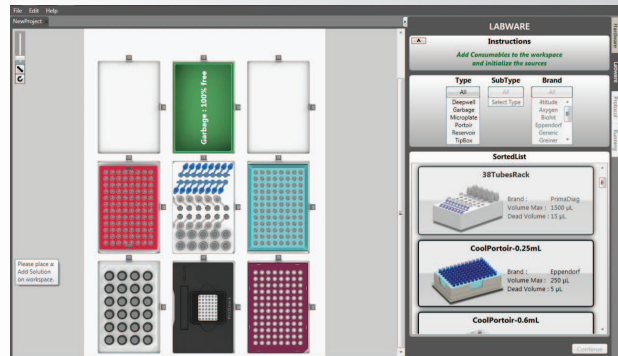
Repetitive Strain Injuries (RSI) are triggered by repetitive manual pipetting. Avoid neck, wrist and other injuries by using a robot. Even a daily 1-2 hours manual pipetting every year can result in painful injuries like Carpal Tunnel Syndrome.

“Mechanical micropipettes introduce a repetitive movement that can result in cumulative trauma disorders in anyone pipetting for more than 300 hours a year. This equates to a daily routine of only 1-2 hours a day of pipetting tasks.”

A-Z of Quantitative PCR
(Bustin S. ed. IUL Biotechnology Series)

Easy to use.

αBot™ software with an innovative auto mode simplifies setup of new protocols. Pre-calibrated plastic ware saves time.



Compatible.

The robot can be used for setting up reactions for various real-time instruments. Pre-configured to work with Rotor-Gene® tubes, Eco™ plates, standard 0,2 mL tubes/strips, 96-well and 384-well plates. Even 100 mm long primary tubes can be used directly in the αBot™.



Versatile.

For other applications 8 channel heads, as well as large volume heads (up to 5 mL) can be fitted within a minute.

Temperature controlled block is an option - providing support for more applications.

Open for Next Generation Extraction.

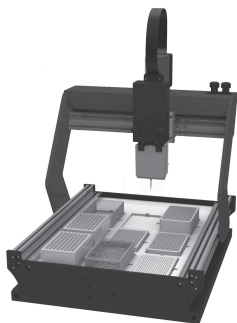
The αBot™ is also compatible with αXtract™ (from AlphaHelix).

The robot can be used for reducing extraction costs and save time for preparation by supporting new cost effective alternative extraction methods. *Ask us for more information!*

αBot™

Specifications αBot (cat no 65-1001)

Pipetting Head	Single Channel, 1-200 µL (software controlled). See other options below. CV<2% >5 µL (dry-well single dispense). CV<2% >18 µL (dry-well multi dispense)
Standard Tips	96 racked 200 µL filtered tips and 50 µL filter tips
Liquid Level Tracking Liquid level detection (opt)	Software based liquid level tracking. Optional ultrasonic level detection.
Dispensing modes Tip Waste Handling	Single- and multidispense modes. Automated tip ejection. Optional tip re-use.
Table Capacity	9 x Microplates (SBS standard size, holds any combination of tips/plates/tubes/capillaries etc).
Dimensions Weight Shipping weight	Height 600mm, depth 590 mm and width 460 mm. 39.5 kg, standard configuration. 60 kg, standard configuration.
Operational temperature range Electrical	4°C–35°C 100–120 VAC @ 4 Amp (50/60 Hz), 200–240 VAC @ 2 Amp (50/60 Hz)
Startup Consumables (incl)	10 racks of 96 x 50 µL filtered tips, 10 racks of 96 x 200 µL filtered tips, 25 x 5 mL tubes and 500 x 1.5 mL tubes.
Startup Accessories (incl)	2 x 50 µL tip rack adapters, 2 x 200 µL tip rack adapters. One aluminum block for 96 x 0.2 mL PCR tubes or a 96-well plate. One aluminum block for 32 x 2.0 mL tubes. One aluminum mastermix & reagent block (16 x 0,2 mL tubes, 16 x 2.0 or 1.5 mL tubes and 2 x 5.0 mL tubes). One waste container.
Communications Minimum Computer	USB 2.2GHz (Intel dual core), 4 Gb RAM, 100Gb hard disc. Windows 7 or Vista (32 or 64bits). Dedicated graphical card (ATI or Nvidia - GeForce G105M with 512Mb RAM or similiar). USB-port and 1280 x 1024 monitor. <i>Computer not included.</i>
Software Warranty	Supplied, with unlimited user license. Free software upgrades. 1 year on instrument, manufacturers warranty on computer and monitor.
Options (not included)	Hood - acrylic. Ultrasonic liquid level detection. 1000 µL single channel head and 5000 µL single channel head - interchangeable. 8-channel 200 µL heads available. Temperature controlled block. Other aluminum blocks, see below.
Disposables and block:	50 µL filtered tips. 10 x 96 tips. Cat no 67-0050. 200 µL filtered tips. 10 x 96 tips. Cat no 67-0200. Block for Illumina 48 wells Eco™ plate, aluminium. Cat no 66-0048. Block for Rotor-Gene™ 0.1mL 4 strips (72 tubes), aluminium. Cat no 66-0072. Block for 96-well PCR and qPCR plates (also strips and single tubes), aluminium. Cat no 66-0096. Block for 32 each 1.5 mL tapered micro centrifuge tubes, aluminium. Cat no 66-3215. Block for 32 each 2.0 mL micro centrifuge tubes, aluminium. Cat no 66-3220. Block for 384-well plate, aluminium. Cat no 66-0384. Other blocks on request.



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