

Your individual PCR set-up solution

Aila® – Automated Interface for Liquid Applications



Aila®, the new Liquid Handling System for Molecular Diagnostics from R-Biopharm represents a flexible pipetting platform that covers the needs of today's routine diagnostics laboratory.

The work station contains 16 interchangeable deck positions providing enough space for reagents and samples to simultaneously set-up multiple real-time PCR assays. A broad variety of plate types and tube formats ensure maximum flexibility for the end-user.

Due to the sensitive nature of the real-time PCR technology highly reproducible results are a must: Aila®'s unique motor control concept provides the level of precision that is required for molecular diagnostics applications.

Automated PCR set-up with Aila® guarantees reproducible results independent on the complexity of the task. Multiple Master Mixes, high sample numbers or various repeats can be accomplished by accurate pipetting down to 1 µl using Aila®.

The flexible use of various plate adaptors and pre-installed assay templates allows to efficiently combine the requirements of different real-time PCR instruments and sample types and ensures correct operator actions.

Aila®'s multi-dispensing function saves time and reduces use of consumables per reportable result. As a truly walk-away system, Aila® frees the time of valuable staff to handle increasing sample volumes with improved quality standards.

+ Versatile



- Different plate formats
- Use of 50 µl, 200 µl tips
- Up to 8 different master mixes per run

+ Economic & safe



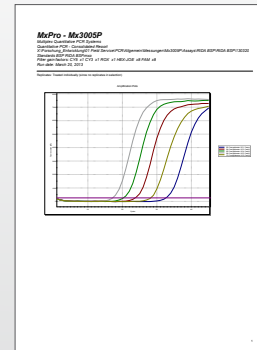
- Use of non-conductive tips
- UV light & Liquid Level sensing
- Real-time monitoring of liquid volumes during all steps

+ Efficient



- 16 interchangeable deck positions
- Multiple-parameter testing out of one patient sample
- Adoptable pipetting speed

Optimise your laboratory workflow with Aila®



Extraction

PCR set-up

Amplification



Convenient



- Data logging
- LIS compatible
- Pre-installed assay templates



Fast & Precise



- 45 minutes with master mix set-up
- Unique motor control concept
- Low volume applications



Reproducible



- Multiple Master Mixes
- Accurate pipetting
- Dilution series possible

Specifications

Table capacity	16 positions
LLS Liquid Level Sensing	LLS down to 5 µl in 0.1 ml tubes
Pipetting tips	96 clear, non-conductive; 50 µl, 200 µl
Pipetting volume range	1 µl - 180 µl
X-, Y-, Z-axis drive resolution	< 0.0065 mm
Pipetting speed	10 µl - 200 µl/sec
Precision, accuracy (200 µl head)	<ul style="list-style-type: none"> • CV < 3 %, 5 µl - 180 µl (dry-well transfer) • CV < 5 %, 2 µl - 5 µl (wet-well transfer) • CV < 10 %, 1 µl - 2 µl (wet-well transfer)
Temperature range	4 °C - 35 °C
Electrical	100 - 250 VAC 50/60 Hz 200 VA
Dimensions (W x D x H)	600 x 515 x 470 mm
Weight	45 kg
Data processing	CSV import/export for LIMS integration
Tip disposal	External waste container for tips
UV	UV light system for deck sterilisation under closed lid conditions
Auto-stop safety switch	Automatic safety-stop when opening the hood
Hood	Integrated frame supported clear acrylic hood for maximal visibility and three sided access

Ordering information

Product	Description	Amount	Art. No.
Instrument			
Aila®	PCR set-up solution	1	ZAILA
Accessories			
Maxwell Adapter	Allows direct transfer of Maxwell rack and use of Maxwell eluates to Aila®	1	ZAILA01



Experience Aila®!

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