

EFEVRE TECH LTDTM

Your necessity, our innovation



THE BASIC AMGEL MODEL

Automate Multiple Protocols

Liquid Handler X2

- > 22 SBS Positions
- > 4 Pipettes

Magnetic Module

➢ For Magnetic Bead Purifications of DNA and RNA

Temperature Module

> Temperature Range 4-95°C

Bioshake 3000-T ELM

- > Temperature Range RT -99°C
- ➤ Mixing Frequency 200-3000 rpm

Robotic Thermocycler

Industrial Robotic Arm

Electrical Automation

HEPA Filters

UV-C Lights



THE UNDERLYING VALUE

OUR KEY

FEATURES

Versatilityfor automation of multiple protocols

Compact Size fits in a crowded lab

Competitive Price compared to established brands

User Friendly

for initiating a process by the push of a button

Customizable to fit any client's needs

106 Intuitive ability of quick and easy use

THE LIQUID HANDLER

FOR HIGH-PRECISION PIPETTING

OpenTrons Labworks Inc



22 Positions for Microtiter Plates, Tubes, And Tips

2x Trash Bins

Calibration Block

Tip Calibration Sensors

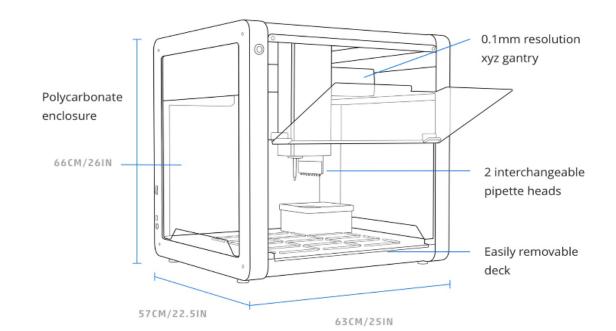
4x High-Precision Pipettes of your Choice:

> P20: 1-20ul

P300: 20-300ul

> P1000: 100-1000ul

Available in Single-Channel and 8-Channel Multi Pipette



THE ROBOTIC ARM

FOR LABWARE TRANSFER

Shenzhen Yuejiang Technology Co., Ltd



1x Dobot M1 Robotic Arm

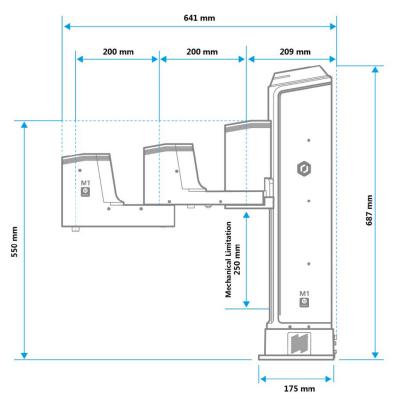
1x Gripper

1x Pump

1x Suction Cup

1x Custom Fingers for Microtiter Plate Gripper

Labware transfer to different modules, between liquid handlers and for plate stacking



THE TEMPERATURE MODULE

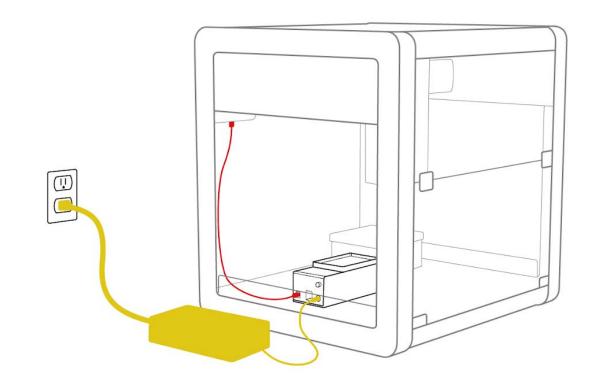
FOR COOLING AND HEATING OF SAMPLES/REAGENTS

OpenTrons Labworks Inc



4-95 °C

1x Mounting Aluminium Block for PCR Plates1x Mounting Aluminium Block for Flat Microtiter Plates1x Mounting Aluminium Block for 1,5-2ml TubesAutomatic loading of labware by AMGEL's robotic arm



THE MAGNETIC MODULE

FOR ANY MAGNETIC-BEAD BASED PROTOCOL

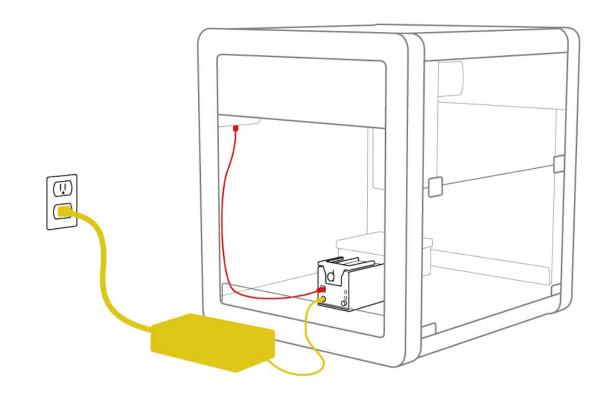
OpenTrons Labworks Inc



High-Strength N42 Neodymium Magnets

Automatic Loading of Labware by AMGEL's Robotic Arm

Compatible with standard and deep well labware from 22 mm to 44 mm, various magnetic bead products, and protocols with volumes from 10 μ L to 2 Ml.



THE BIOSHAKE 3000-T ELM

FOR SHAKING AND HEATING OF SAMPLES/REAGENTS

Quantifoil Instruments



1x Mounting Aluminium Block for Microtiter Plates

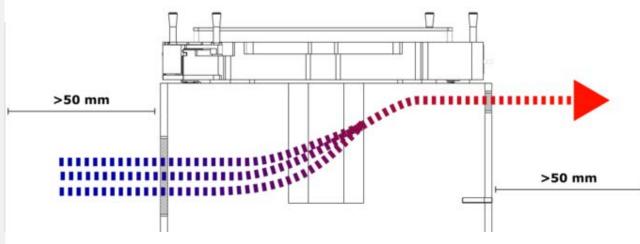
RT -99 °C

Shaking 200-3000rpm

Active Locking of Plates

Adaptor for Plates or Tubes

Automatic Loading of Labware by AMGEL's Robotic Arm



THE 4-IN-1 TUBE RACK SET

FOR HOLDING STANDARD LABORATORY TUBES

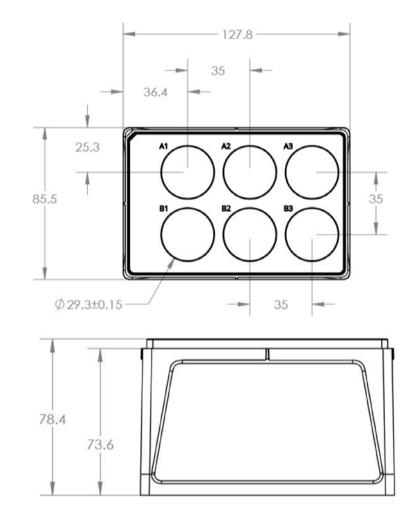
OpenTrons Labworks Inc



Each Set Includes:

- 2 Base Stands
- > 4 Tube Holder Tops: 1.5ml, 2ml, 15ml + 50ml, 15ml, 50ml

The tube holder tops snap securely on the base stand, which fits directly on the deck of OT-2.



THE CUSTOMIZABLE RACKS

FOR HOLDING MICROTITER PLATES, CRYOVIAL, GLASS VIALS AND ANY LABWARE

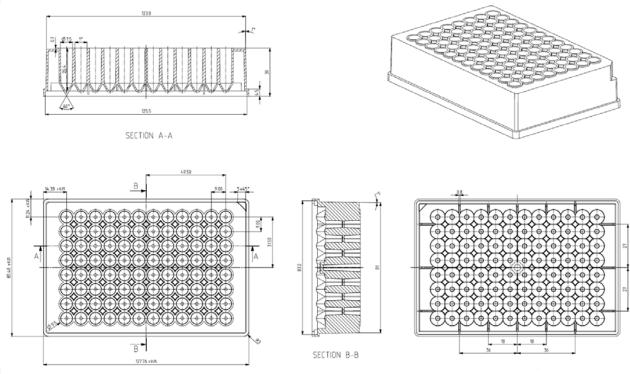
EFEVRE TECH LTD



Each Rack Set is Composed of:

- > 1 Base for Mounting on OT2 Positions
- > 1 Base for Holding Labware

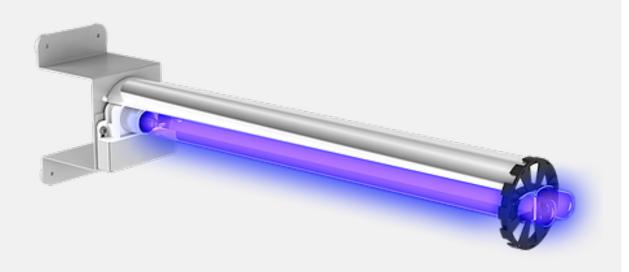
Custom Base Construction Depending on Customer Needs
Automatic Loading of Labware by AMGEL's Robotic Arm



THE GERMICIDAL STRIPS

FOR STERILISATION

TECAN + EFEVRE TECH LTD

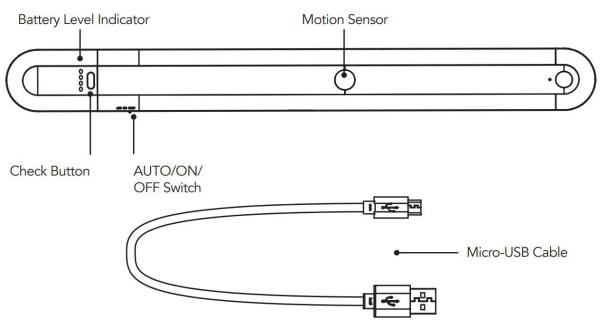


Focused Beam:

- Minimizes Plasticware Wear Inside Platform
- > Less Maintenance Costs
- Minimizes Human Exposure to UV

On / Off Switch

Timer for Sterilization Cycles



THE LAPTOP, PC OR TABLET

FOR INTEGRATION

EFEVRE TECH LTD

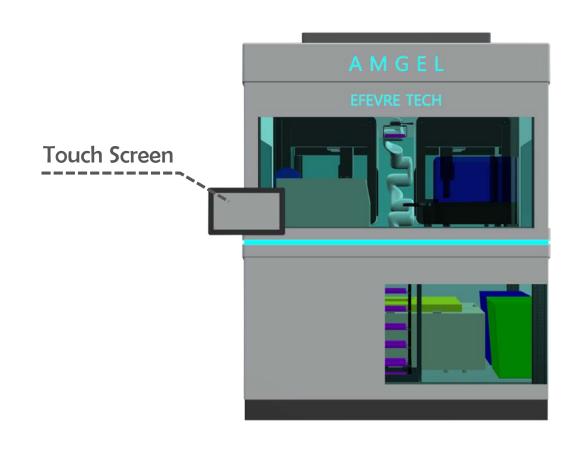


Dedicated PC for the System

Windows Operating System

Robot Operating System

Customers can use their personal computers for more than one user control.



THE HIGH-END AUTOMATION

FOR POWER MANAGEMENT AND SAFETY

EFEVRE TECH LTD



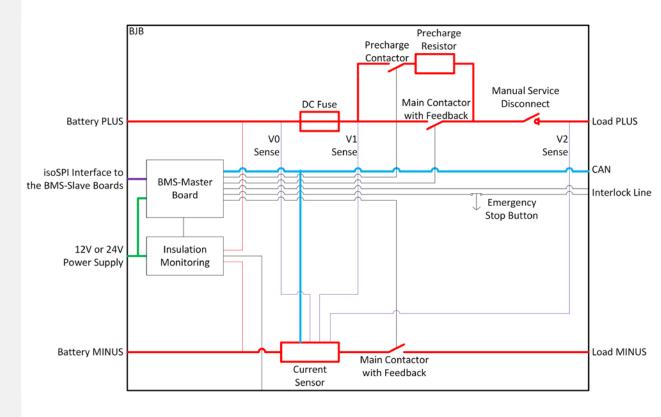
Electrical Boards

Electronics and Computers for Robotic Control

Emergency Stop System

High-End Power Supplies and Relays

Timers



THE CUSTOM BENCH

FOR DURABILITY IN LABORATORY CONDITIONS, ANTIVIBRATION, EASY TO MOVE

EFEVRE TECH LTD



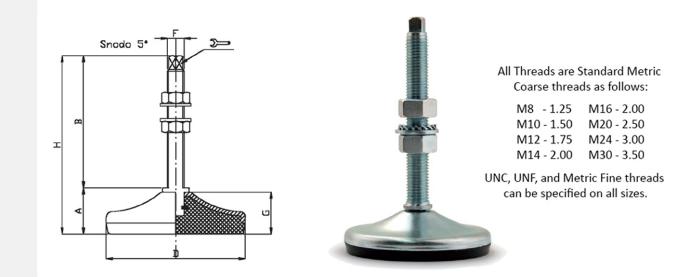
Stainless Steel (304) Stabilization Plate

4 X Anti-Vibration - Hygienic-Grade - Adjustable Feet

4 x Heavy-Duty Wheels for Easy Relocation Inside the Lab Enclosure of Robotic Arm for Safety

Mounting brackets and removable hatch for integration of new devices (e.g., automated centrifuge or PCR).

Custom heavy-duty bench with wheels and leveling feet.



THE INTEGRATION SERVICES

FOR CUSTOMER SUPPORT

EFEVRE TECH LTD



Protocol Preparation



Testing / Validation of System Operational Capacity During Development



Delivery to Customer



Calibrations of the Requested Protocol(s) After Delivery



Training of Users



Warranty 1 Year for ALL Hardware



Detailed User Manual

THE USER FRIENDLY GRAPHICAL INTERFACE

FOR METAGENOMIC LIBRARY PREPARATION

ILLUMINA KIT

01
Easy to
Navigate

Tailored to your protocols

Intuitive Design making it easy to use

Detailed
Descriptions

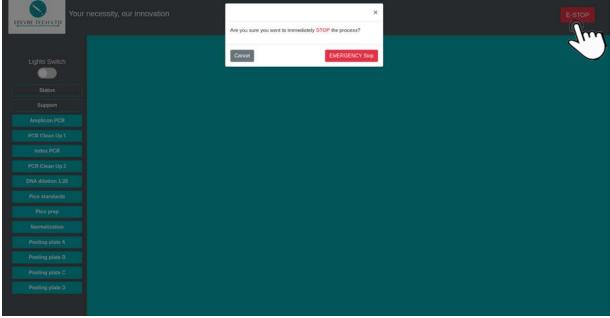
O5 Step-by-Step Guidance

Maximum
Walk-Away Experience

FOR METAGENOMIC LIBRARY PREPARATION

EFEVRE TECH LTD





Welcome Page

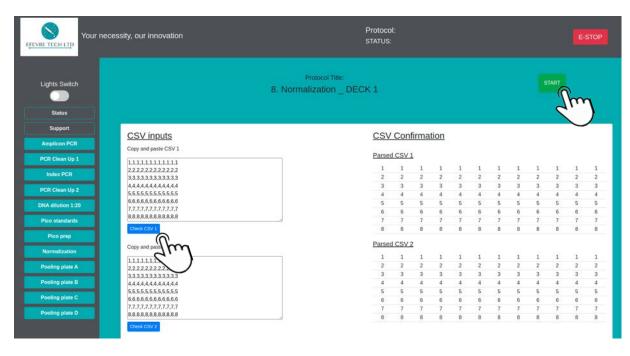
Press "165 Metagenomic Seq Libr Prep" to start working with the software

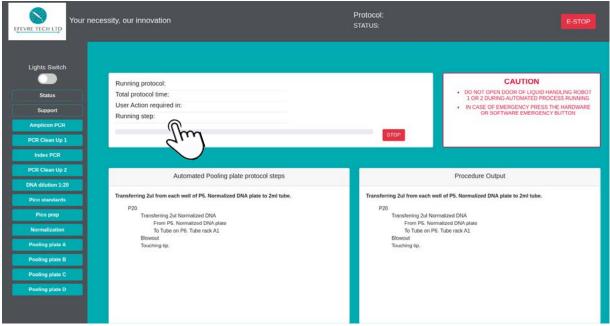
Emergency Stop Button

Press "E-STOP" for Emergency Stop

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Add Protocol

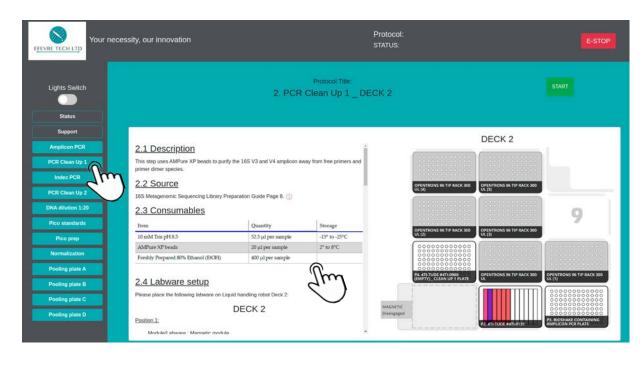
Add "CSV Input" to generate your chosen protocol and press "START"

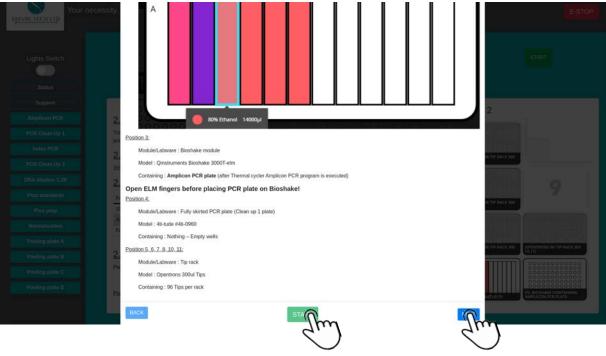
Protocol Status

Check the protocol status from the shown area

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Choose a Protocol

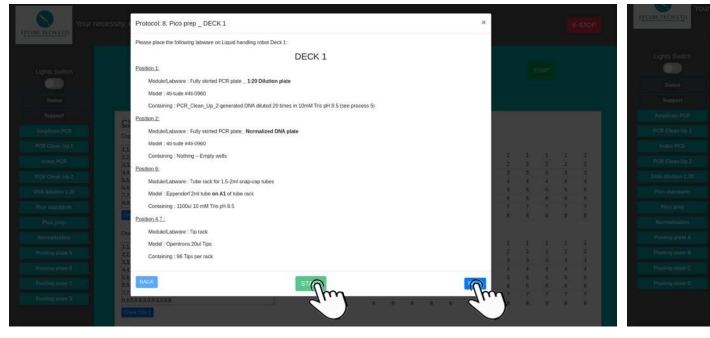
Choose one of the protocols shown on the list on the left to check its procedure

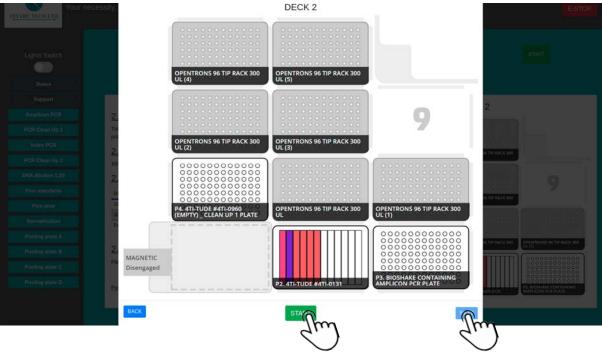
Start the Procedure

Click "NEXT" to check all the steps in the procedure and the click "START" to start the protocol procedure

FOR METAGENOMIC LIBRARY PREPARATION

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Check DECK 1

Check all the positions on deck 1

Check DECK 2

Check all the positions on deck 2

THE HEPA FILTERS

FOR STERILE CONDITIONS DURING PIPETTING

OpenTrons Labworks Inc



Reduces Contamination Risk During Sensitive Workflows

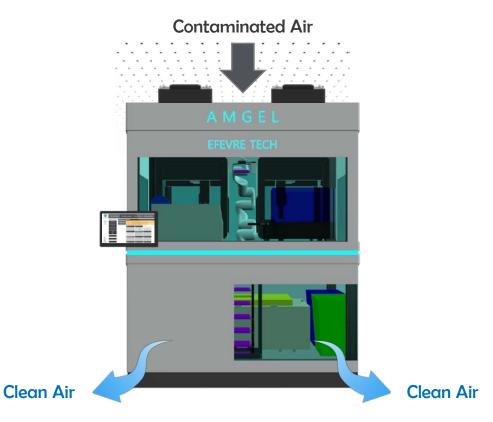
Vertical Airflow Downflow of 0.3 m/s - 0.45 m/s

3 Year Fan Lifetime of Moderate Use

1 Year Filter Lifetime of Moderate Use

Replaceable H14 HEPA Filter

Compatible With All Other OT-2 Hardware Modules





THE FULLY AUTOMATED PCR

FOR FULL WALKAWAY TIME

INHECO



Samples and Reagent are Pipetted Inside the PCR Device

Lid Closes Automatically and the PCR Procedure is Automatically Initiated

Disposable Seal System for Preventing Sample Loss

Automatic Loading of Labware by AMGEL's Robotic Arm

Samples and PCR Reagents are Automatically Pipetted Inside the PCR Device

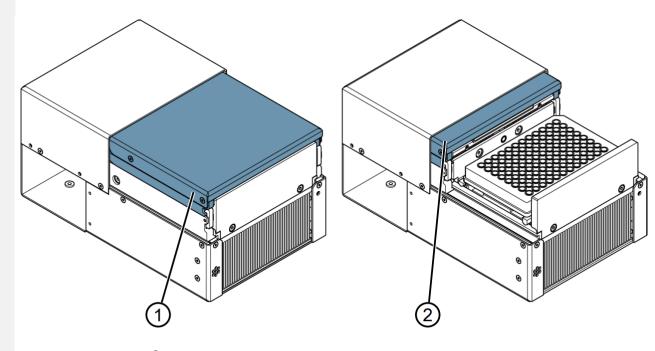


Illustration 6: ODTC® lid

1	Closed position	2	Open position
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THE VACUUM MANIFOLD

FOR DNA / RNA / OTHER EXTRACTION + PURIFICATIONS

UNIVERSAL ROBOTIC



Robotic Compatible Universal Vacuum Manifold, Acrylic, C/W Gauge

Vacuum Pump with Serial Control

Automatic Loading of Labware by AMGEL's Robotic Arm

Waste Trap

Electronics

Valves

For DNA / RNA Binding, Wash Steps

For DNA / RNA Elution Steps



THE LABWARE STACKERS

FOR FULL WALKAWAY TIME

EFEVRE TECH LTD



Labware Stackers (Custom Built to Your Needs)

Increase Walk-Away Time by Stocking Labware on Room Temperature

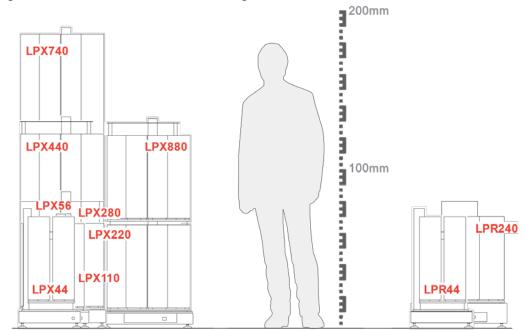
24-Hour Non-Stop Workflow Programming

3-Fold Increase of Productivity of Any Procedure

Accommodates Maximum 80 Standard Height Petri-Dish or SBS Plates, or Microtiter Plates

Automatic Loading of Labware by AMGEL's Robotic Arm

Easy Unloading of Stacks by User



THE ROBOTIC CENTRIFUGE

FOR HIGH CAPACITY

Sigma Zentrifugen GmbH



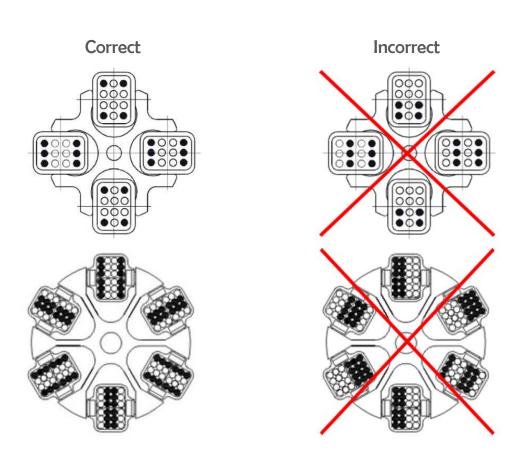
Universal Refrigerated Table Top Centrifuge

Speed Range Up To 15.000 RPM

Possibility of Precooling the Rotors During Standstill

Maximum Capacity of 4 x 650 ml Down to Microtubes

Different Adapters In The Same Bucket



THE QPCR

FOR REAL TIME INTEGRATION

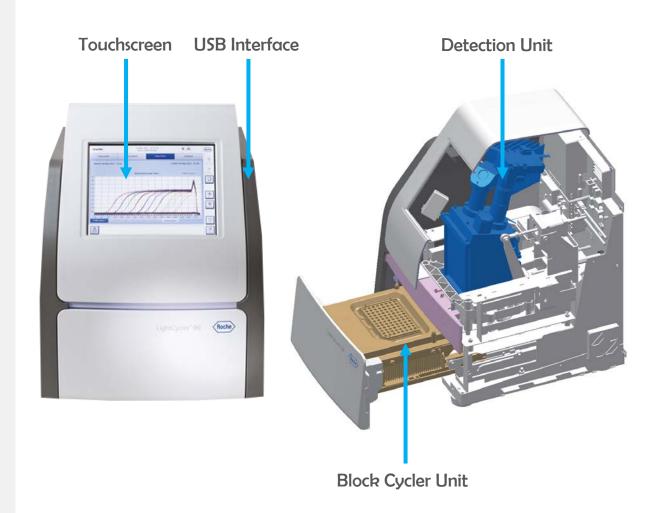
Roche LightCycler



Automatic qPCR Plate Preparation

Automatic Loading of Plate on qPCR by AMGEL Robotic Arm

Automatic Running of a Selected qPCR Procedure







FIND US AT







