

Compact **XL**

MULTITASKS

Multiple Applications
One Platform





Compact **XL**

mylabdiscoverysolutions.com



Meet the next generation Molecular Laboratory

The Compact XL is a sample-to-PCR ready system, that eliminates the huge infrastructure and capital cost of the molecular lab; the machine is designed to automate all operations from sample handing to PCR tube preparation. Flexibility to test multiple parameters with multiple samples at the same time - something that was never available before.

Thirty-two separate channels allow the flexibility you need, with a dual deck facility. Automated barcode reading, auto-feed protocol, self sanitization, and LIMS connectivity defines Compact XL, as a complete walk-away system.



Sample types



Plasma, Serum



Tissue



Sputum



Swab

Specimen type

Respiratory Specimens:

A. Lower respiratory tract

- *Bronchoalveolar lavage, tracheal aspirate*

B. Upper respiratory tract

- *Nasopharyngeal swab AND oropharyngeal swab*

- *Oropharyngeal swab (e.g., throat swab)*

- *Nasopharyngeal aspirate or nasal aspirate*

C. Serum

D. Tissue



Features

Fully Automated Sample-to-PCR Process

- Automated extraction of samples
- Automated set up of PCR ready tube

Parallel Processing

- Multiple sample types
- Multiple parameters can be testing on the same platform

Ease of Use

- One cartridge - One test
- No manual pipetting, no manual handling
- LIMS connectivity
- Compact footprint of the machine

Sample Operations

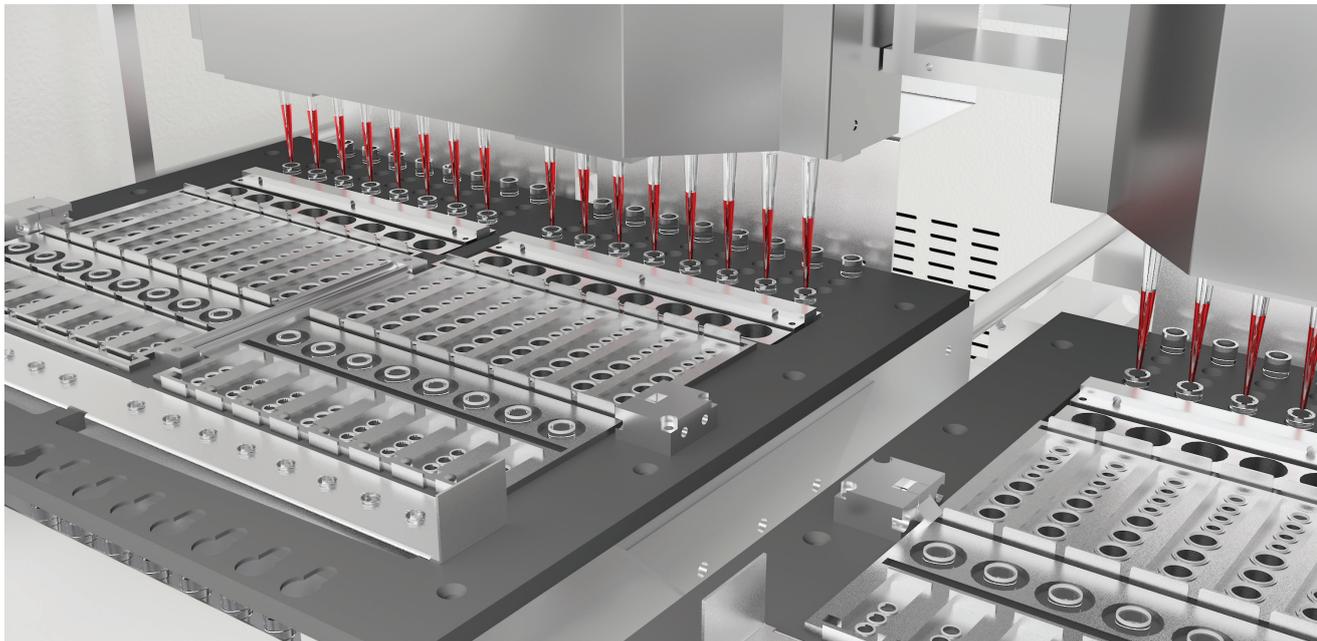
- Simple operations not requiring high end technical expertise to run the system
- Software driven workflow require very little training and very low maintenance

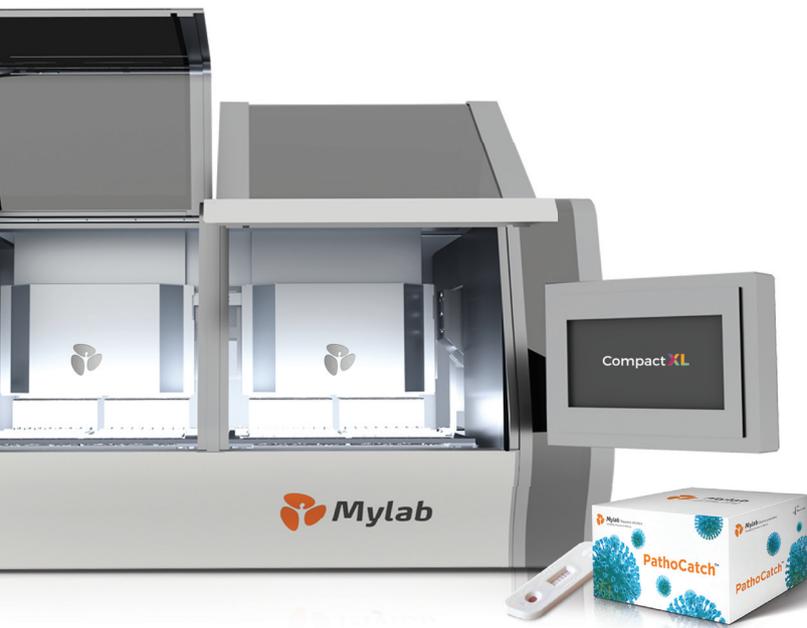
Scale-up Capability

- Multiple systems can be networked together to achieve throughput of 50 to 1000 + samples per day
- Uses proprietary Mylab sample processing reagents, yielding high quality results

Robust Contamination Control

- Dedicated Lane for each Sample to preven cross contamination
- Secured and automated cartridge opening
- UV light decontamination
- Enclosed system for contamination free sample processing





Compact XL

Automation for all molecular test

PathoCatch™

COVID-19 is an acute respiratory infectious disease. Based on the current epidemiological investigation, the incubation period is 1 to 14 days, mostly 3 to 7 days. Mylab has developed COVID-19 Ag Card test which is used for in vitro qualitative detection of the antigen of novel Coronavirus in human throat swabs or nasal swabs.



PathoDetect™

Food-borne illness caused by harmful pathogens can affect the health of millions of people worldwide. It is also a major concern for food growers, manufacturers, packers, shippers, wholesalers, and retailers. Release of contaminated food can cost food companies millions in revenue as well as their reputation.



NATSpert™

The NATSpert provides viral nucleic acid extraction using Mylab's proprietary magnetic bead technology. Extracted viral nucleic acid is further amplified using RT-PCR technology for detection and discrimination of HIV RNA (HIV-1 Groups M and O RNA, HIV-2 RNA), HCV RNA (Genotype 1-6) and HBV DNA (Genotype A-H).



OncoScreen™

Mylab's OncoScreen portfolio of products provides a complete diagnostic detection kits for determining an individual's mutation status. OncoScreen helps better understanding of the genetic events that underlie tumor development and progression has led to improvements in patient healthcare.



AgroDex™

Ensuring integrity of raw food materials, ingredients, and products is both a product quality and regulatory compliance concern is a paramount for any supplier. Food suppliers and manufacturers may suffer economic and legal damages if proven to be supplying incorrectly labeled products.



VetScreen™

The authenticity of the meat industry, products from game animals are susceptible targets for fraudulent labelling due to the economic profits. Apart from meat species adulteration, illegal poaching of endangered game species may take place contributing to threat of wildlife populations.



DiscoverSeries™

DiscoverSeries provides products for prenatal testing as well as other genetic disorders, in combination with mid- to high-throughput automated solutions. Our products for the detection of β -Thalassemia, Fragile X sit alongside mid- to high-throughput.



Kit Features

Multiple Machine Flexibility: Open kit validated on multiple RT-PCR equipments also to reduce lab Capex and facility upgradation. single tube protocol for three or more filter machine and 2 tube protocol for two or more filter machines.

High Throughput: 32 to 1000 samples per machine per day, mass scaling possible with Mylab.

Absolute Confidence: Multiple markers detectable in multiplex format. Increased confidence on confirmation and reduced repeat testing

Fast & Error Free: 2-3 times lesser manual steps saving time and eliminating manual errors.

True Reporting: Housekeeping Internal control Included assuring No false negative reporting, to assess sample quality, Transport, Storage, RNA extraction and RT-PCR reaction.

Complete Solution: Complete solution with Extraction kit (optional) along with the RTPCR kit by Mylab

Simple to use



Step 1

Place the sample and tips on the platform: Total Time 5 mins

Step 2

Start the Run: Total Time 1 hour

Step 3

Get PCR Ready tube for further analysis



Simple Intuitive Design

The Compact XL is a fully automated and easy-to-use cartridge-based sample-to-PCR ready solution enabling laboratories to perform multiple sample types according to their requirements.

Compact XL brings revolutionary approach in:

Space: Converts 700 sq ft laboratory area to 4x3 text box

Manpower: Reducing the need of 3-4 experts to almost none

Cost: Considerably reduces the operational cost

Operations: Automated system reduces reagent wastage and manual errors

Maintenance: Compact XL is a hassle and maintenance-free system

Machine Specifications

Physical Dimensions Console

h: 70 cm / 27.5 inch
w: 130 cm / 51 inch
d: 77 cm / 30.3 inch
Weight: 275 kg / 600 lb

Sample Per Run

1 to 32 samples

Application

Sample to PCR Ready

Instrument Type

Standalone system

Power Requirement Console

Power input: 1500W
Rated Frequency : 50 Hz
Rated current: 7.1 A
Rates voltage: AC180-240V ±5%

Sample Volume Range

30 ul to 1 ml

Decontamination

Inbuilt UV lamps for self sanitization

Sample Processing

Simultaneously can run 96 samples at the same time in network



Ordering Information

Instrument:
Compact XL
Part number:
CXLI01

Kit Product Description

PathoDetect™ COVID-19 Qualitative PCR kit
PathoDetect™ COVID-19 Qualitative PCR kit

Catalog No.

PCOV550
PCOV5100



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