

# GENEQUALITY® SERIES

Fully integrated and automated systems for nucleic acid extraction, Real-Time PCR setup, and amplification, designed to achieve maximum versatility and efficiency in molecular diagnostics.

## GENEQUALITY® SERIES

X120

X120  
track

Max



No limits to versatility for the molecular  
diagnostic laboratory

For *in vitro* diagnostic use



## DNA/RNA extraction and PCR plate set-up

**GENEQUALITY® X120** system is completely automated from extraction to PCR setup, for maximum flexibility.

Also available in **GENEQUALITY® X120 track** version for the configuration of biobanking plates.



94

samples in a single run

24

qualitative/quantitative assays simultaneously

- Simple and intuitive management software
- Direct export of the PCR template to the thermal cycler
- Bidirectional connectivity to LIS
- Refrigerated block for PCR Mix
- Extraction and PCR set-up
- Primary tube Loading
- Security and traceability
- Simultaneous extraction from different biological matrices
- Extraction with magnetic beads
- Selection of different elution volumes
- Independent configuration of the parameters for each sample

Real-Time  
PCR

CE IVD

## Extreme flexibility

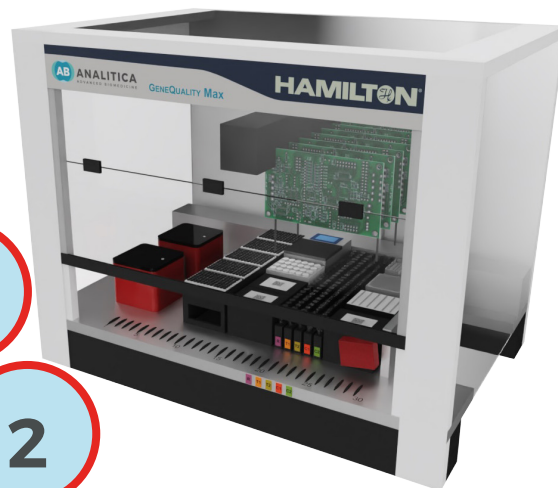
**Extraction + PCR Setup**  
For high throughput and same thermal profile

**Extraction only**  
For medium throughput and different thermal profiles

**PCR set-up only**  
From one or two elution plates for assays with the same thermal profile

## Sample-to-result

**GENEQUALITY<sup>®</sup> Max** is fully automated Sample-To-Result system. Separate thermal protocols for maximum efficiency and versatility.



**46** samples in a single run

46

**2** thermal profiles simultaneously

2

**24** qualitative/quantitative assays simultaneously

24

- **Simple and intuitive** management software
- **Management of the entire** analytical process
- Bidirectional **connectivity to LIS**
- **Refrigerated block** for PCR Mix
- Possibility of **overnight runs**
- **Primary tube Loading**
- **Security and traceability**
- **Simultaneous extraction** from different biological matrices
- Extraction with **magnetic beads**
- Selection of **different elution volumes**
- **Independent configuration of the parameters** for each sample

Real-Time  
PCR



## Maximum versatility

### Extraction + 1 PCR Setup

For assays with the same thermal profile

### Extraction + 2 PCR Setup

For assays with different thermal profile profiles

DESCRIPTION	GENEOQUALITY® X120	GENEOQUALITY® X120 Track	GENEOQUALITY® Max
Ref. No	08-20-96	08-21-48	08-22-48
Samples Volume	200 µL, 400 µL		
Throughput	Up to 94 samples per run	Up to 62 samples per run	Up to 46 samples per run
Sample loading step	From primary tubes, with barcode identification		
PCR run setup	Up to 24 different assays per plate		
Full protocol time with extraction, setup and PCR*	180 minutes		
Liquid handler tips	50, 300 and 1000 µL conductive disposable filter tips		
Liquid handler	8-channel and air-displacement, volume range up to 1000 µL, barometrie and capacitive liquid sensor, with clot detection		
Sample carriers	With 24 and 32 positions able to load tubes with a diameter of 16 and 13 mm respectively		
Thermal cycler	External and connected to the system via LAN/USB	2 integrated Real Time PCR systems	
Integrated devices	Incubator/shaker up to 95°C, active cooling block for Real-Time PCR agents		
Workstation	System equipped with relational database for reagents and samples tracking		
Integrated barcode readers	Fixed linear code reader, branded 2D code reader	Fixed linear code reader, branded 2D code reader, integrated 2D scanner for biobanking tubes	Fixed linear code reader, branded 2D code reader
Dimensions and weight	1124 mm Wx 1180 mm H x 795 mm D -135 Kg		

\* Run time could Change according to the number of samples and/or assays performed



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