



omnia LH75



omnia LH75 Pro

Compact benchtop systems designed to meet the automation and efficiency requirements of the molecular biology laboratory

Proven technology to enhance the efficiency of your RNA extraction and PCR set up workflow

Automation, reliability and flexibility all in one

Omnia LH 75 and **Omnia LH 75 PRO** are the A.Menarini Diagnostics compact workstations designed to fully automate nucleic acid extraction and PCR plate setup and streamline your laboratory workflow.

The systems allow **full process automation** from primary tubes to a ready-to-go real time PCR plate.

Operator intervention is limited to platform set up and to reagent and sample loading. An **onboard**

barcode reader automatically identifies samples and reagents.

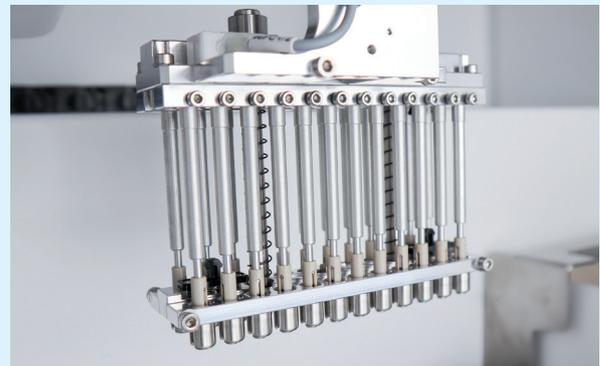
Plate set up information is automatically transferred to the thermal cycler and to the LIS for easy and error-free traceability.

High-quality nucleic acids are obtained rapidly and efficiently by using **best-in-class magnetic bead extraction kits**.

Omnia LH 75 has a **processing capacity** of up to 24 samples/run and **Omnia LH 75 PRO** of up to 48, VTM tube to PCR plate without manual intervention.



Primary tube handling, the onboard barcode reader and bidirectional connection with the LIS ensure complete traceability



24 magnet rods for parallel magnetic beads management/sample washing steps



Single tip head for dispensing and transfer of liquids

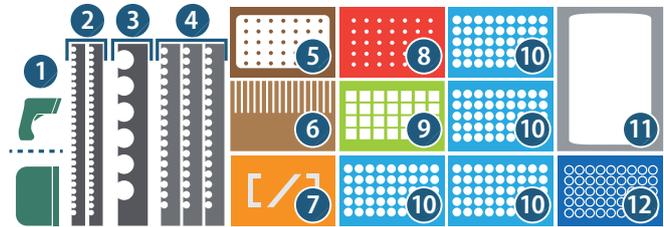


User-friendly interface software with guided procedures ensures minimum operator's effort

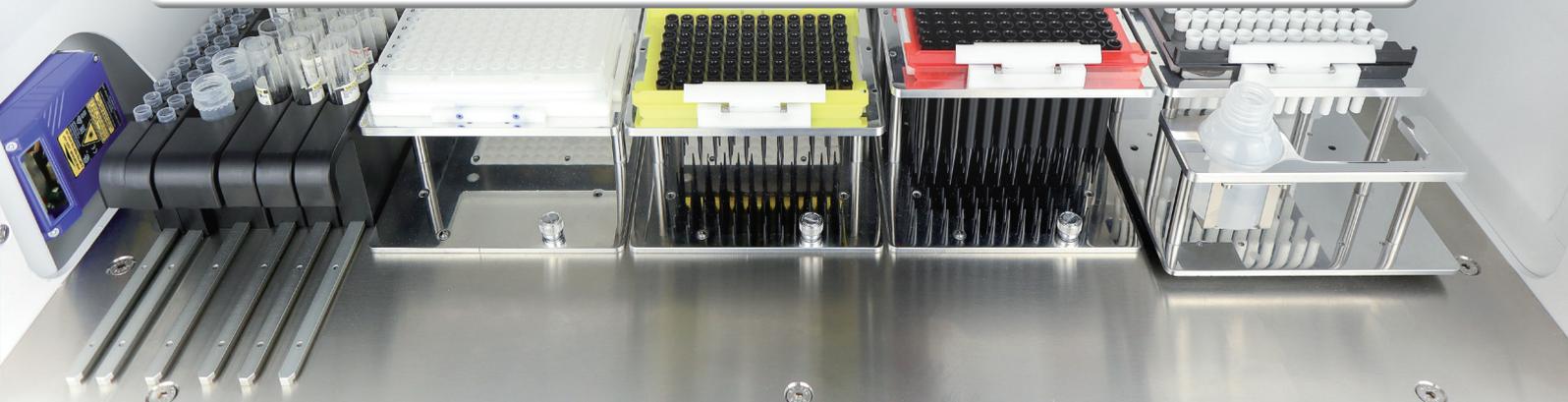
DECK LAYOUT (SBS-COMPLIANT)

1. Barcode scanners
2. Racks for eluate stocking
3. Reagent input rack
4. Sample input racks
5. Temperature-controlled rack
6. Thermoshaker
7. Customizable position
8. PCR setup position
9. Washing plate
10. Tips
11. Removable waste bin
12. Covers for magnets

omnia LH 75 Pro



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SUPPORTED COVID APPLICATIONS

**RADI COVID-19
detection kit**



**CORONA MELT Var - SARS-CoV-2
Variant detection KIT**



**CoronaVar - SARS-CoV-2
Variant detection kit**



Visit our website for details and updates
on A.Menarini Diagnostics Real Time PCR kits:
<https://www.menarindiagnostics.com/en-us/Home/Laboratory-products/COVID-19/Viral-RNA-Detection>



At a glance

Extraction method Magnetic bead transfer: 24 parallel magnetic rods, for rapid processing of all washing steps

Input sample types VTM/UTM saliva and other body fluids including viral inactivator

Reagents CE IVD and RUO magnetic beads extraction kits, Real Time PCR diagnostic kits for SARS Cov-2 detection and variant identification

Liquid handling 1 pipetting channel; pipetting volume range: 1 µl to 1000 µl; precision CV: ≤ 0.2% at full stroke; liquid level sensor

Processing capacity Up to 24 samples per run (sample tube to PCR plate) on Omnia LH 75, up to 48 on Omnia LH 75 PRO

Traceability & Connectivity 2 barcode scanners (integrated + external), bidirectional interface with LIS, direct connection to the most common thermal cyclers

User-friendly software Internal control system and remote monitoring through HMI software and a built-in touchscreen

Assay flexibility Up to 4 assays with identical PCR profile on the same extracted RNA. Compatible with validated kits and custom assays

Safety and decontamination Easy-to-clean deck, UV-lamp (254 nm), removable waste bin, filter tips and disposable components

Technical specifications

Power input	115 - 230V
Noise level	< 80 dB(A)
Operating temperature	18 °C (min) - 28 °C (max)
Dimension (WxDxH)	91,6x78,9x84,8 cm (LH 75)
Weight	100 kg (LH 75)
Relative humidity	30-80% RH at 30 °C
Marking CE-IVD	CE-IVD nella colonna di destra

List of products and codes

51576	OMNIA LH75
52180	OMNIA PRO
51586	RADI Covid Detection Kit
54225	CORONA VAR
54504	CORONAMELT VAR