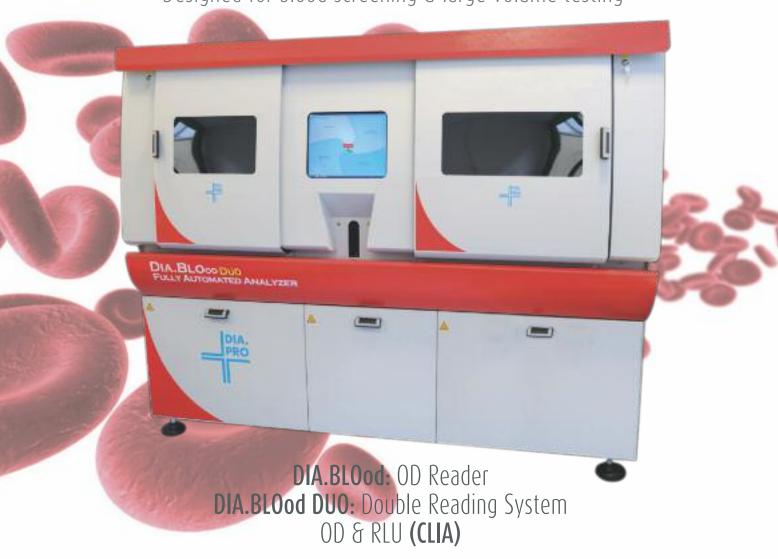
DIA.BLOOD Duo

FULLY AUTOMATED HIGH THROUGHPUT

ELISA Micro-plate Workstation

Designed for blood screening & large volume testing



A CE CERTIFIED COMBINATION OF KITS AND INSTRUMENT



Your IVP specialists!



DIA.BLOOD Duo

Technical specs

Hardware features integrated with touch-screen monitor, could be split in two, for easy transportation & installation

Module conception Tip configuration Tip types

Syringe size الر1000 Incubators Washer

Digital camera

Liquid handling features

Pipetting precision Standard volume

Liquid detection Minimum volume detectable

Sample loading range

Sample loading range Sample session processing Strip handling Plate session processing Sample input format

Pre-dilution option Sample & Reagents

Bar-code Identification

Supported format Bar-code evaluation

Incubator module

Incubator modules

Shaking Temperature range

Washer module

Washer module Manifold Wash channel

Wash mode

Reader

Light source Measurement range Wavelength selection

Measurement time

Chemiluminescence Reader

Measurement range Measurement time

Software

Interface Diagnostic

Dimension Height

Width Depth Weight

Power supply requirements Regulations compliance

Operating lab condition

Plug & Play 8 tips

HDPE disposable tips (5-1000µl)

9 independent 3 independent

Liquid sampling monitoring system/OPTIONAL (available upon specific request)

Volume CV (%) 10 ul < 5% $100 \, \mu l < 3\%$

Pressure sensor & Clot detector

Up to 200 µl in sample tube up to 500 µl in control, up to 2ml in reagent vial

Variable, starting with 8 sample tubes per grid up to 288 (36 grids)

Variable, starting with 8 samples up to 792 samples depending on work-list (modality continuous loading)

Variable, starting with 1 assay per plate up to 4 assays per plate (modality optimization loading)

Variable, starting with 9 assays up to 36 assays per session Sample tube diameter from approx. 10 up to 12 mm. 3 different plates sites for common or exclusive pre-dilution

Dispensing verification system (CD Camera) (available upon specific request)

Sample Tubes, micro-plates, kit-box reagents

Code 39, Code 128, Interleaved 2 of 5, Coda Bar, HIBC code (Health Industry Bar-Code)
Sample codification, plate codification, kit type codification with recording of lot number & lot expiry date

All incubators are integrated in modules with washer

3 modules that consist of 3 independent incubators

Independent shaking for each position with variable speed (350 rpm to 700 rpm)

From 20°C (room temperature) up to 40°C with accuracy of +/- 0.5°C

All modules are integrated with incubator

3 washer

8-channel manifold

4 common channels for wash buffer which are linked to 4 containers of 5 L.

and 2 containers of 10 L for waste/each with loading cell.

Strip or plate mode with or without soaking time

Led-light (lifetime guarantee)

0-4 0 OD

400-700nm: 2 filters are supplied (selection between 5 of which: 405nm, 450nm, 492nm, 530nm, 630nm) upgradable up to 4 filters Single wavelength 10 seconds; dual wavelength 15 seconds

OPTIONAL (available upon specific request)

1 to 1 million RLU

1 minute

Operating System Windows 7

Ethernet

Remote access control for: firmware upgrade, analytic script test upgrade, auto-diagnostic check & report

1940 mm 2400 mm. 1020 mm. 450 kg.

Power: 1200VA Voltage: 220 V Frequency: 50/60 Hz

CE Marked, in compliance with EMC-BT (EN 61326-1, EN 61326-2-6, EN 61010-1 EN 61010-2-081+a1, EN 61010-2-101) as well as the directive of IVD 98/79/CE

Temperature 15°C-50°C, relative Humidity 30-80%



DIA.PRO Diagnostic Bioprobes S.r.I. Via Carducci, 27 - 20099 Sesto San Giovanni (MI) - Italy Tel. +39 02 27.00.71.61/64.50 Fax +39 02 26.00.77.26 http://www.diapro.it - email: info@diapro.it

EN ISO 13485:2013 Certified

