



QWALYS[®] 3

Fully automated blood grouping system



A world of performance



DIAGAST

QWALYS® 3

High performance blood grouping automated system: fast, simple, economical, walk-away

- **Strongly specialized in Immuno-Haematology**, DIAGAST has integrated all of its competencies into its new generation of automated system: **QWALYS® 3**
- **Very high throughput and its loading capacity** surpassing the other machines available in the market, QWALYS® 3 is the reference machine for all the laboratories having a blood grouping testing activity **from 10 000 to 500 000 tests per year**.



*Blood Grouping,
Phenotyping,
A.B.S.,
A.B.S. donors,
Identification,
Direct Coombs,
Crossmatching
Weak D*

- **QWALYS® 3 is based on E.M.® Technology** (Erythrocytes Magnetized® Technology) an innovative nanotechnology developed by DIAGAST, using the principle of magnetization of the red blood cells.

Already 3 Trophies in its hall of fame:

I Trophy n°1: Technical performance

Higher productivity

- Having a maximum loading capacity up to 544 samples and the biggest autonomy of reagents in the market, QWALYS® 3 can process between 10 000 and 500 000 tests per year.

Higher throughput

- Up to 105 Grouping or 110 Antibody Screening or 250 Antibody Screening donors per hour.

Higher robustness

- Tecan platform (leader in IVD automation).
- Latest generation of equipments integrated for an unmatched precision such as: high resolution of the reactions, auto-grading and auto-controls (reader).

Higher quality of your results

- CE marked reagents, IVD and ISO certifications (Gmed).
- Quality of the results equivalent to the techniques available in the market.

Higher confidence

- QWALYS® is approved and is used in routine by many Blood Transfusion Organizations worldwide like E.F.S, the French Blood Transfusion Service.

I Trophy n°2: Functional performance

Higher time saving due to simplicity

- With only two user intuitive screens, QWALYS® 3 is friendly and versatile.
- Only 10 minutes of training is enough to launch a series of tests in complete autonomy.
- On screen real-time display of your workflow (reagent consumption, sample status).

Higher serenity with personalized customer services

- Customer service agents dedicated only for QWALYS® 3 hotline.
- After sales service teams worldwide through partner network.
- DIAGAST engineers in different time zones (Asia, Europe, Americas) with phone and tele-maintenance support.
- Online software updates for time and cost efficiency.

I Trophy n°3: Economical performance

Higher value for money

- Compared to the other automated techniques available E.M.® Technology guarantees best cost efficiency with equivalent or better biological results.

Higher autonomy

- QWALYS® 3 is a **real walk-away system** :
 - Up to 6 hours of functional autonomy (without intervention of technicians).
 - From 2 to 15 days of onboard reagents stability.

With QWALYS® 3, enter into a new era called **performance**.

With the highest technical standards QWALYS® 3 brings you solution to your immuno-haematology needs and beyond. (budget optimization, quality requirements)

QWALYS® 3, a world of performance

Technical

performance

Higher productivity
Higher throughput
Higher robustness
Higher quality of your results
Higher confidence



Economical

performance

Higher value for money,
Higher autonomy

Functional

performance

Higher time saving due to simplicity,
Higher serenity with personalized customer services

I QWALYS® 3 is available in different models

Ref: 90804 L = 150 cm / 4 needles

Ref: 90854 L = 150 cm / 8 needles

Ref: 90888 L = 200 cm / 8 needles

Dimensions: length = 160 or 200 cm, breadth = 75 cm, height = 80 cm

Power Supply: 1700 VA

Noise Emission Level: < 75 dBA at 1 m

Operating System: Windows XP

Computer Specifications: touch screen, 17"

Throughput: 105 Grouping or 110 AbS or 250 AbS donors per hour according to the model

Loading Capacity: 160 to 544 samples according to the model

Sample Tubes Dimensions: 10 to 16 mm in diameter and from 66 to 100 mm in height

■ Main characteristics

Fully automated system

High throughput

Continuous loading (samples and reagents)

Complete traceability (samples-reagents-results)

Bidirectional communication (LIS)

Management of the Internal Quality Control process

User access management

A real "Walk-Away" system

Liquid level detection

Clot and fibrin detection

User protection panel

100% Barcode management

Secured reading and interpretation of results



DIAGAST

Welcome to DIAGAST, more than 30 years of expertise in Immuno-Haematology, systems, quality products and a personalized service: **your true partner.**

«Faster, Stronger, Further» is our daily commitment. This sportive attitude and determination is the key for us **to provide you with a high level of performance and satisfaction.**

Acting faster, to meet your expectations : being proactive and reactive is the flexibility that we own in order to offer and guarantee you the best.

Being stronger, in one's mind : our team spirit, our consistency are precious skills that we develop to deliver you the best service.

Going further together, our philosophy is to go beyond ourselves to render excellence, your success becomes our ambition.

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