

erytra
eflexis[®]

Adaptability
that fits your lab



TYPING

No matter your workflow, the system addresses your changing needs

No two IH labs are alike; therefore, Grifols offers a scalable range of different instruments that are specifically tailored to suit different processing needs. Now, we are introducing the new Erytra Eflexis[®], the natural evolution in Grifols scalable blood typing solutions.

Introducing the new Erytra Eflexis

Erytra Eflexis adaptability helps labs achieve workflow efficiency and improve daily work routines. The system provides reliable and timely results that contribute to patient safety.

This truly flexible system allows laboratories to select the solution that is best suited to different workflow needs and capacities.

Erytra Eflexis is a benchtop, compact model. The transparent casing and simple internal organization provide a clear view of the internal processes.

- Process status indicator traffic light
- External touchscreen can be placed on either side of the instrument

TOP PRIORITY

A primary concern in blood transfusions is patient safety. After fifty years of experience in the field of transfusion medicine, safety is also our number one priority. For more than twenty years, Grifols has driven innovation in developing blood typing systems that support safer transfusions all over the world.



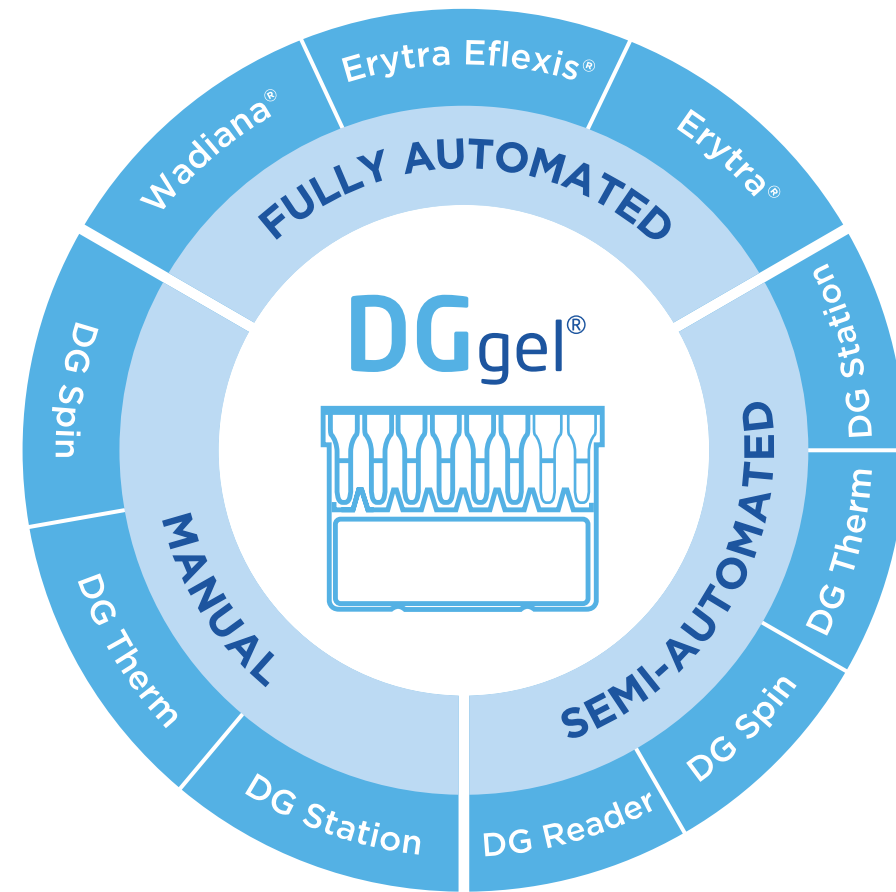
INTRODUCING

Erytra Eflexis is a fully automated, mid-sized analyzer that performs pretransfusion compatibility testing.

The system uses DG Gel technology with a smart and compact design offering intuitive operation.

Enjoy the virtual experience!

Explore the DG Gel® system portfolio and the new Erytra Eflexis by downloading the DG Gel augmented reality application. Enjoy the virtual experience!



Welcome to the virtual experience of DG Gel system.

Please download the DG Gel augmented reality application through the QR code. Scan the DG Gel target circle with your smartphone or table to begin the experience.



Download from



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Note: Product registration and availability vary by country. To know whether the Erytra Eflexis system is available for sale in your country, please contact your local Grifols representative.

How you can benefit by using the Erytra Eflexis?

Employ highly flexible performance to optimize your lab

- Two in One – Two different lab configurations in a single instrument through the unique interchangeable sample and reagent lineal racks, automatically recognized by the system
- Excellent capacity of cards and samples for a mid-size analyzer, depending on the system configuration
- Flexible incubators management is available depending on the requested tests
- True continuous loading of cards, reagents, and samples

Reduce hands-on time with an intuitive user-friendly experience

- Minimal training¹ is required to interact with the easy-to-use external touchscreen
- Minimal maintenance²
- Remote access for results validation and after-sales support remote connection

Improve daily workloads and efficiency easily

- Multiple lab configurations as well as different multi-site health networks can be tailored – the system can be easily used alone or connected to other Erytra Eflexis or Erytra units
- Always sharing the same:
 - Our latest generation software suit
 - Sample holders
 - Convenient Grifols universal reagents³
- Grifols exclusive simultaneous perforations and dispensing technology for the 100% use of the cards

100%

use of cards across all Grifols platforms



2 in 1

OPTION 1

A comprehensive menu:
48 samples
46 liquid reagents



High sample capacity for a mid-size system

OPTION 2

During peak hours:
72 samples
23 liquid reagents

¹ The training required is similar to the training for the Erytra instrument

² Only monthly maintenance is required

³ Grifols universal reagents are compatible to work with all of the DG Gel system platforms (from manual to fully automated instruments)

A smart, compact design for optimal use of lab space

Samples & reagents management — Flexible performance with easy adaptability for different workflow needs

- Internal backup
- STAT management — just load the samples randomly in any position, click the STAT button and samples will be automatically prioritized
- Continuous and random loading and unloading of samples and reagents
- Fast positive identification

2 independent centrifuges (12 cards/centrifuge)

3 intelligent incubators independently managed (12 cards/incubator)

Grifols exclusive probe system

- Lab workflow adaptability — unique interchangeable sample and reagent lineal racks automatically identified by the system
- To hold any type of tube, including pediatric tubes or those with plungers, the same Erytra sample holders are used providing additional flexibility
- Clever maintenance of the red blood cell reagent suspension
- Multi-functional pipettor arm using Grifols exclusive probe system, which accounts for several functions like:
 - Automatic level detection and fluid level monitoring
 - Sample dilution by using the Grifols universal DG Gel Sol diluent in the cup dilution station (automatic washing)
 - Unique simultaneous perforation and dispensing technology uses 100% of the card wells and prevents cross-contamination
 - Integrated probe washing station to prevent cross-contamination

CAPACITY UP TO

72 samples

46 liquid reagents



Flexible performance

DG Gel card management — Enormous capacity to store up to 1600 tests

- Exclusive direct loading of the DG Gel double decker racks on the Grifols multi-drawer system
- Fast positive identification
- High stock and monitoring of 8-wells DG Gel cards
- Flexible incubation and centrifugation
- High-resolution reading with a multi-functional CCD camera:
 - Card integrity check before and after processing
 - Dispensing verification of the DG Gel cards
 - High-definition color results

System solutions management — Easy user interaction

- Monitoring of the level of Erytra Eflexis solutions and the number of cards used
- Easy and innovative loading and unloading of system fluids allow for minimal user interaction
- Optimal direct drainage to maximize system's autonomy
- New disposable cards waste container supports user safety

CAPACITY UP TO

200 cards (1600 tests)

Universal washing solutions used by all Grifols platforms

Intuitive experience

Simply load, select, and process!

Laboratory staff can easily work with Erytra Eflexis after minimal training, since it requires very little intervention. User interaction is easy with the intuitive software, which can be customized to different lab requirements by defining worksheet layouts, user profiles, and priorities.

REAL-TIME INFORMATION

- Analyzer status and autonomy
- Remaining time for samples to be completed
- Operator receives real-time system warnings

CLEAR RESULTS

- Revision of results with a clear, close-up, high-definition picture for extra assurance
- Check of discrepancies. Configurable warnings for results to be reviewed
- Complete results traceability report

INCREASED SAFETY AND SECURITY LEVELS

- Entire process and results are fully traceable
- System access is password controlled. Configurable roles per user
- Internal checking at different steps of the test procedure
- Configurable quality control policy

EFFICIENT COMMUNICATION

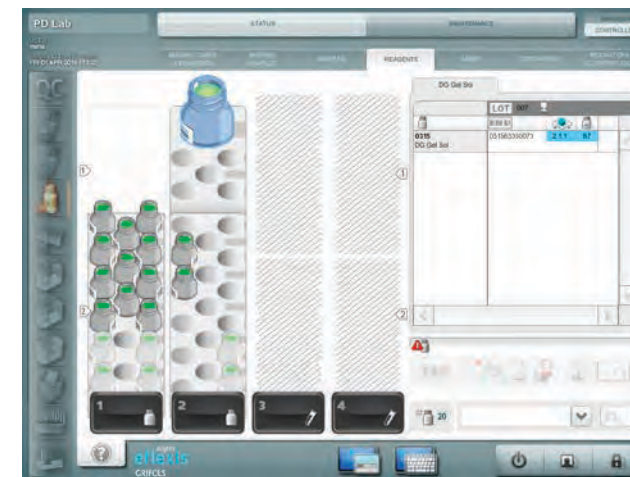
- Bidirectional connectivity to the LIS (laboratory information system)
- Remote access to the instrument through the web application to validate results, monitor instrument and samples status and real-time warnings
- Remote diagnostics: technical/specialist support can remotely connect to the system for troubleshooting



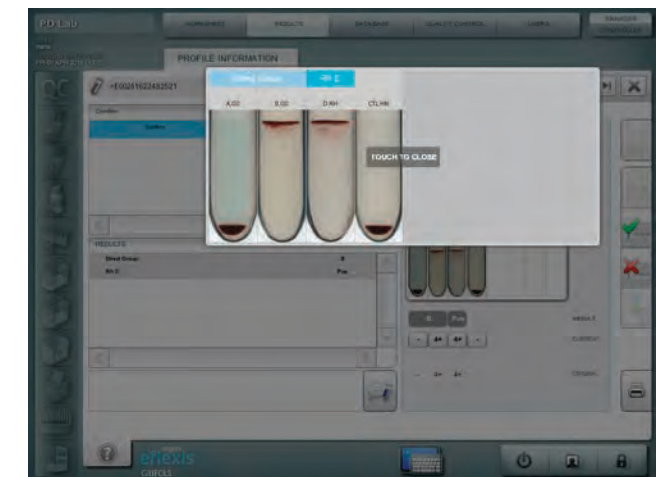
DG Gel cards loading area



System solutions area



Real-time information



Clear results



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Technical specifications



LIST OF TECHNIQUES

Full ABO/Rh blood group typing (forward and reverse)
Rh + Kell phenotype
Unexpected antibody screening
Identification of unexpected antibodies
Enzyme assays
Antibody titration*
Direct Coombs test
Rare antigens typing
Weak D test
ABO/Rh (D) confirmation
Crossmatch test

*Feature under development

THROUGHPUT

Maximum throughput: 50 cards/hr (400 results/hr)¹
Full ABO/Rh blood group typing: 35 samples/hr²
Antibody screening (I, II, III): 72 samples/hr
Type & Screen: 23 samples/hr³

Throughput depends on the profiles being processed:

- 1 Results obtained with DG Gel[®] Rh Pheno + Kell
- 2 Results obtained with DG Gel[®] ABO/Rh (2D) (profile: A, B, AB, D1, D2, Ctl., N/A1, N/B)
- 3 Results obtained with DG Gel[®] ABO/Rh (2D) and antibody screening (I, II, III)

CAPACITY

2 lab configuration options:

- For peak hours:
 - 23 reagents (1 rack): 17 agitated, 5 non-agitated and 1 diluent (non-agitated reagents can be extended to 22)
 - 72 samples: 3 racks x 2 holders x 12 positions
- For more comprehensive menu:
 - 46 reagents (2 racks): 34 agitated, 10 non-agitated and 2 diluents (non-agitated reagents can be extended to 44)
 - 48 samples: 2 racks x 2 holders x 12 positions

Up to 200 DG Gel[®] cards

Washing solutions:

- 6 L DG Fluid A solution (extendable to 12 L)*
- 6 L DG Fluid B solution (extendable to 12 L)*
- 12 L waste solution*

*With optional direct drainage to laboratory

SIZE AND WEIGHT

Width: 110 cm (without monitor) (43.3 in)
Depth: 71 cm (27.9 in)
Height: 91 cm (35.8 in)
Weight: Approximately 173 kg (381.4 lb)

POWER SUPPLY

Voltage: 100-240 V
Frequency: 50-60 Hz
Input power: 600 W

REFERENCE	PRODUCT LIST	PRODUCT DESCRIPTION
210600	Erytra Eflexis	A fully automated, mid-sized analyzer to perform the pretransfusion compatibility tests using DG Gel technology with a smart and compact design for intuitive operations
210601	Erytra Eflexis rack for samples	Rack to load samples into the Erytra Eflexis
234179	System solution container	Container designated to hold diluted wash solution (A or B) or decontamination solution
213713	Samples holder	Holder to load samples into the analyzer
210603	Erytra Eflexis card waste container	Disposable container for card waste

The Erytra Eflexis[®] analyzer is CE marked in accordance with the Directive 98/79/EC of the European Parliament and of the Council of 27 October 1998 on in vitro diagnostic medical devices.



Distributed by:



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