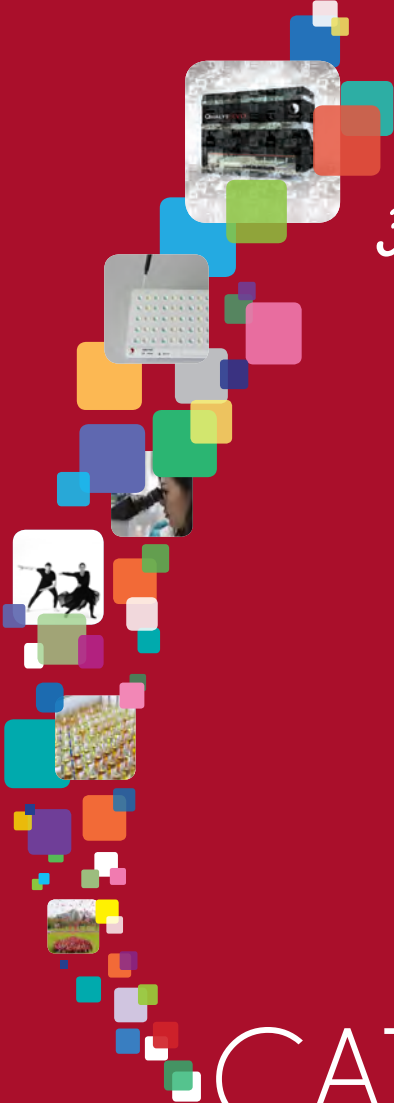




DIAGAST

*30 years*  
of Innovation



CATALOGUE

# SUMMARY



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**E.M.® TECHNOLOGY**



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**MANUAL RANGE**



P. 30-31

**QUALITY CONTROLS**



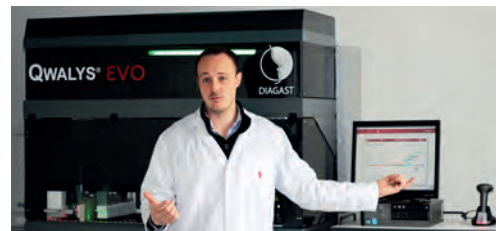
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**BEDSIDE CARD**



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**O.E.M. RANGE**



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**TRAINING CENTRE**

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## **www.diagast.com**

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# M-TRAP® TECHNOLOGY

M-TRAP® TECHNOLOGY



✓ Fast

✓ Safe

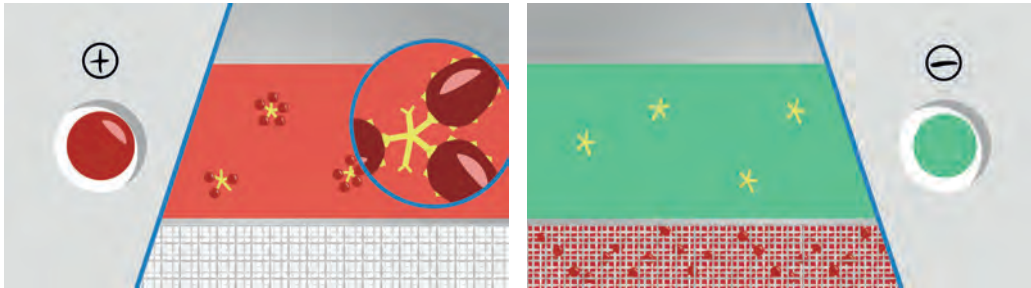
✓ Standardized

# ABD PAD®

— by DIAGAST —

# M-TRAP® TECHNOLOGY

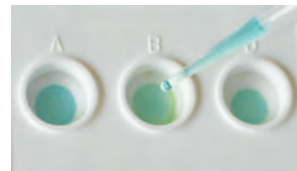
PAD products use the M-TRAP® technology which is based on the immobilization of antibodies covalently bounded to a porous membrane. Only the red blood cells having the corresponding antigen are fixed into the membrane revealing immediately the reaction.



## ABD PAD® Procedure

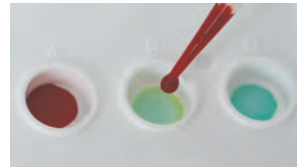
### 1. Activation :

One drop of PAD Buffer is dispensed to hydrate the antisera.



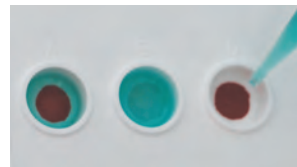
### 2. Blood dispensing :

The blood sample is added into the well.

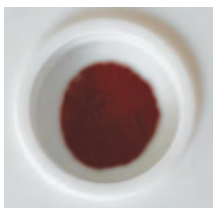


### 3. Revelation :

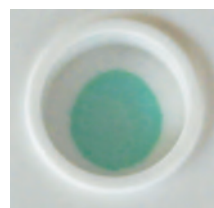
The well is filled with the PAD Buffer revealing the reaction.



## Interpretation



Pos



Neg

## M-TRAP® TECHNOLOGY



ABD PAD® allows the control of the ABO/Rh blood group (confirmation or pre-donation control), by determining the presence of the A, B and D erythrocyte antigens on the surface of human red blood cells.

### ABD PAD®

Designation	Reference	Quantity
ABD PAD®	40102	10 x 20 tests (200 tests)
PAD Buffer	40100	5 x 50 mL
PAD Buffer 500	40104	1 x 500 mL

### Associated material

#### Finger-prick blood test

Acti-Lance Lite 28G	118814	200
Pipettes	119421	3200

#### Transport and storage after use

Zip bags	119422	500
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M-TRAP® Technology is also used on ABTest Card® (page 32).

## QWALYS® EVO



STAT  
FUNCTION



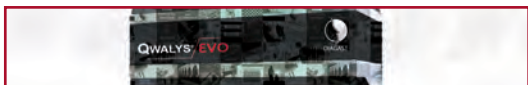
SAFETY



WORKFLOW  
OPTIMIZATION



DYNAMIC  
SCHEDULER



## QWALYS® EVO

### Designation

QWALYS® 3

*QWALYS® EVO results from a software upgrade of the QWALYS® 3 system. It includes a STAT function, a dynamic scheduler for batch analysis and a new optimized user-friendly interface which offers new features.*

### Reference

90854

### Description

L = 150 cm / 8 needles

## Accessories

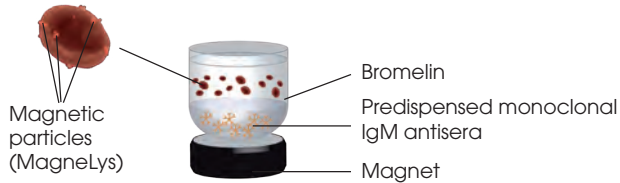
QWALYS® cover	91355	1 Unit
Table QWALYS®	91320	1 Unit
QWALYS® Sample Rack 10mm	90775	6 Units
QWALYS® Sample Rack 13mm	90776	6 Units
QWALYS® Pediatric Rack	90780	1 Unit
QWALYS® CSV Carrier	91364	1 Unit
QWALYS® C6V Carrier	91178	1 Unit
Carrier Barcodes for QWALYS 3®	91333	1 Unit
QWALYS® Liquid System Container	90713	1 Unit
QWALYS® Waste Container	91227	1 Unit
3 Bottles for Weekly Maintenance	91321	1 Unit
Weekly Maintenance Kit	91251	1 Unit



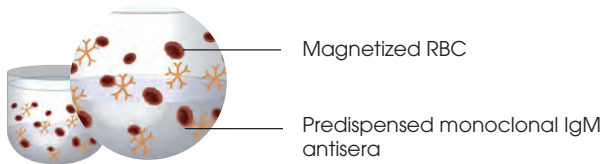
# E.M.® TECHNOLOGY

## Grouping and Phenotyping

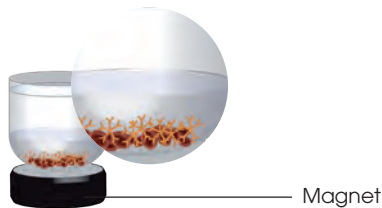
Patient Red Blood Cells (RBC)



1% dilution of RBC in bromelain and Magnelys. Dispensing in the microplate



Shaking: rehydration of antisera and contact with RBC antigens  
Incubation at room temperature

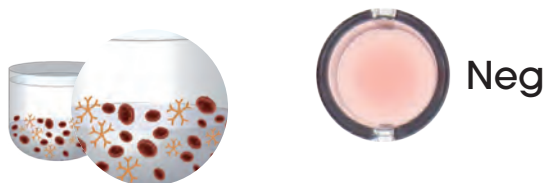


Magnetization: Attraction of RBC by magnetic field to the bottom of the well

Shaking



Positive reaction: Agglutination

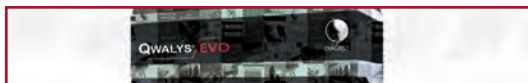


Negative reaction:  
No Agglutination

## Interpretation



# ANTIGENS DETECTION



## Grouping and Phenotyping

Ready-to-use reagents on microplates

Designation	Reference	Quantity	Configuration
DuoLys 12 microplates of 8 tests, MagneLys 40 mL	79960	96 tests	A   B   AB   D   C   c   E   e   K   Ctl   □   □
ABD-Lys 10 microplates of 16 tests, MagneLys 40 mL	79967	160 tests	A   B   D   Ctl   □   □   A   B   D   Ctl   □   □
Groupa 2 Lys 12 microplates of 8 tests, MagneLys 40 mL	79964	96 tests	A   B   AB   D1   D2   Ctl   □   □   □   □   □   □
Groupa DVI Lys 12 microplates of 8 tests, MagneLys 40 mL	79969	96 tests	A   B   AB   D1   D3   Ctl   □   □   □   □   □   □ <small>(DVI -) (DVI +)</small>
Groupa CDE Lys** 12 microplates of 8 tests, MagneLys 40 mL	79968	96 tests	A   B   AB   D   CDE   Ctl   □   □   □   □   □   □
PhenoLys 12 microplates of 16 tests, MagneLys 40 mL	79962	192 tests	C   c   E   e   K   Ctl   C   c   E   e   K   Ctl
Pheno 1,2 Lys** 12 microplates of 8 tests, MagneLys 40 mL	79966	96 tests	C1   c1   E1   e1   K1   Ctl   C2   c2   E2   e2   K2   Ctl
Groupa A1 Lys 12 microplates of 8 tests	79965	96 tests	A   A1   B   AB   D1   D2   Ctl   □   □   □   □   □   □
DuoLys v2** 12 microplates of 8 tests, MagneLys 40 mL	79970	96 tests	A   B   AB   D   C   c   E   e   K   Ctl   □   □
ABDVI-Lys v2** 10 microplates of 24 tests, 2 MagneLys 40 mL	79990	240 tests	A   B   D   Ctl   A   B   D   Ctl   A   B   D   Ctl <small>(DVI +) (DVI +) (DVI +)</small>
ABD-Lys v2** 10 microplates of 24 tests, 2 MagneLys 40 mL	79991	240 tests	A   B   D   Ctl   A   B   D   Ctl   A   B   D   Ctl <small>(DVI -) (DVI -) (DVI -)</small>
PhenoLys v2** 12 microplates of 16 tests, MagneLys 40 mL	79971	192 tests	C   c   E   e   K   Ctl   C   c   E   e   K   Ctl
Pheno 1,2 Lys v2** 12 microplates of 8 tests, MagneLys 40 mL	79972	96 tests	C1   c1   E1   e1   K1   Ctl   C2   c2   E2   e2   K2   Ctl

## Reverse Typing Red Blood Cells\*

HEMALYS 1 A1, B 59659 59663 Magnetized red blood cells A1 and B (2 x 5 mL)	59659 59663	2 x 5 mL
HEMALYS 1 A1, A2, B, O 59661 Magnetized red blood cells A1, A2, B and O (4 x 5 mL)	59661	4 x 5 mL

## Diluents

BROMELINE	69024	1 x 100 mL
	69860	5 x 100 mL
MagneLys	79900	1 x 40 mL

## Dilution plates

D-Plates 10 plates for the red blood cells dilution on QWALYS®	79851	960 tests
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## Internal Quality Control\*

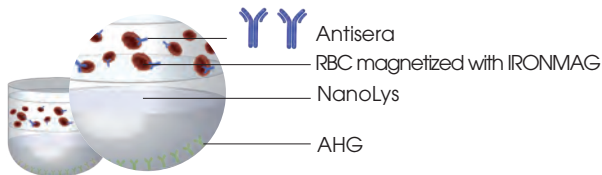
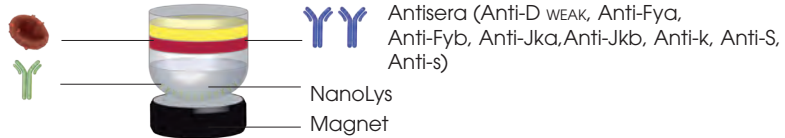
See details on page 30

\*On subscription \*\* Manufacturing on request

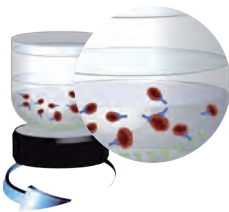
## Weak-D and Antigens Typing

Patient RBC magnetized «on board» with IRONMAG

AHG : Anti-IgG + Anti-IgM

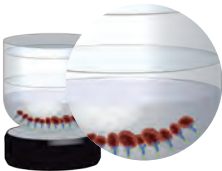


Incubation at 37°C:  
Antisera bind to RBC Antigens



Magnetic shaking: Magnetic field + shaking. The magnetized RBC cross the NanoLys (high density barrier); no influence of magnetic field on free antibodies that remain blocked at the surface on NanoLys.

No washing step.



Positive reaction: Layer

Antibodies fix the corresponding antigen on the magnetized RBC:  
Reaction with AHG.



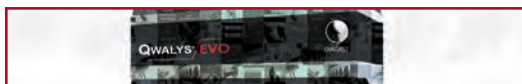
Negative reaction: Clear dot

If there is no antigen:  
No reaction with AHG, the RBC create a dot.

Interpretation



## ANTIGENS DETECTION



### Weak-D test

Ready-to-use reagents on microplates

Designation	Reference	Quantity
WEAK-D kit	20400	1 kit
<i>WEAK-D kit includes QR Anti-D WEAK (20401) AND QR NEG CONTROL (20507)</i>		
QR Anti-D WEAK	20401	1 x 3.5 mL
QR NEG CONTROL	20507	1 x 3.5 mL

Antigens recognition diagram of Qr Anti-D WEAK clones

Clone	Type	Weak D 1, 2, 3	Partial D													
			DOL	II	IIIa, IIIb, IIIc	IVa	IVb	Va	VI	VII	DCS	DFR	DNB	DAR	DHK (DYO)& DAU-4	HMI
P3X35	IgG	+	+/-	+	+	+	+	-	-	+	+	-	+	+	-	+
ESD1	IgG	+	+	+	+	-	-	+	+	+	+	+	+	+	+	+

### Antigens Typing

Ready-to-use reagents on microplates

Antigens typing kit 20510 1 kit  
*Antigens typing kit includes QR Anti-Fya, QR Anti-Fyb, QR Anti-Jka, QR Anti-Jkb, QR Anti-S, QR Anti-s, QR NEG CONTROL*

QR Anti-Fya	20501	1 x 2.3 mL
QR Anti-Fyb	20509	1 x 2.3 mL
QR Anti-Jka	20503	1 x 2.3 mL
QR Anti-Jkb	20504	1 x 2.3 mL
QR Anti-S	20505	1 x 2.3 mL
QR Anti-s	20506	1 x 2.3 mL
QR NEG CONTROL	20507	1 x 3.5 mL



QR range : QWALYS® reagents range

### Cellano

Ready-to-use reagents on microplates

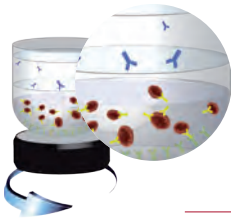
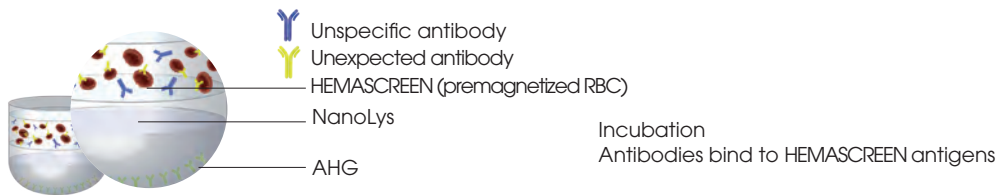
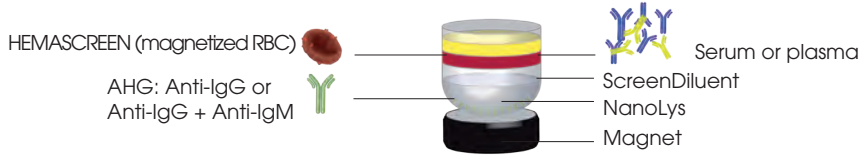
QR ANTI-k (KEL2)**	20508	1 x 2.3 mL
QR NEG CONTROL	20507	1 x 3.5 mL

### Microplates and associated reagents

Designation	Reference	Quantity	Description	Tests Weak D	Tests AT	Tests Cellano
CrossLys	79854	8 plates	Microplates coated with AHG anti-IgG + anti-IgM	384	64	384
NanoLys	69305	8 x 8 mL	Buffer	*	*	*
IRONMAG	20000	16 x 4 mL	Magnetization solution	*	*	*
DiluentLys	69301	1 x 100 mL	Diluent	*	*	*
Mag-Plates	69302	576 tests	12 dilution plates (48 dilutions/plate)	*		*
D-Plates	79851	480 tests	10 dilution plates (48 dilutions/plate)		*	

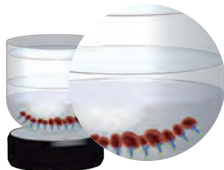
\*\* Manufacturing on request

## Antibody Screening (Abs)



Magnetic shaking: Magnetic field + shaking. The HEMASCREEN cross the NanoLys (high density barrier): no influence of the magnetic field on unspecific antibodies. The unspecific globulins remain blocked at the surface of the NanoLys.

No washing step



4+

Positive reaction: Layer

Unexpected antibodies fixed on HEMASCREEN:  
Reaction with AHG.



Neg

Negative reaction: Clear dot

No unexpected antibodies:  
No reaction with AHG: the HEMASCREEN create a dot.

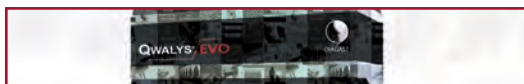
### Interpretation



Neg



Pos



## Antibody Screening (Abs)

*Ready-to-use reagents on microplates*

Designation	Reference	Quantity
ScreenLys <i>6 AHG anti-IgG coated plates</i> <i>NanoLys (7 x 8 mL), ScreenDiluent (50 mL)</i>	79853	48 tests - Identification 192 tests - Antibody Screening 576 tests - Donor Antibody Screening
ScreenLys Plate <i>6 AHG anti-IgG coated plates</i>	79861	48 tests - Identification 192 tests - Antibody Screening 576 tests - Donor Antibody Screening

## Red Blood Cells Panels\*

HEMASCREEN Pool <i>Pool of magnetized red blood cells</i>	59550	4 x 4.5 mL
HEMASCREEN <i>Panel of 3 magnetized red blood cells</i>	59852	3 x 4.5 mL
HEMA-IDENT <i>Panel of 11 magnetized red blood cells</i>	59855	11 x 4.5 mL
I-Mag Screen <i>Panel of 3 magnetized red blood cells</i>	59857	3 x 4.5 mL
I-Mag Pool <i>Pool of magnetized red blood cells</i>	59858	4 x 4.5 mL
I-Mag Ident <i>Panel of 11 magnetized red blood cells</i>	59859	11 x 4.5 mL

## Reagents

NanoLys	69305	8 x 8 mL
ScreenDiluent	69306	1 x 50 mL
IRONMAG	20000	16 x 4 mL
I-Mag Diluent	69312	1 x 50 mL



## Internal Quality Control\*

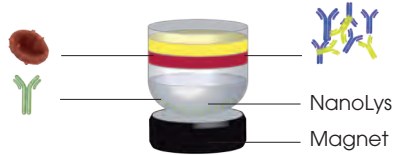
SERA CQI <i>See details on page 30</i>	59502	3 x 5 mL
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\*On subscription

# E.M.® TECHNOLOGY

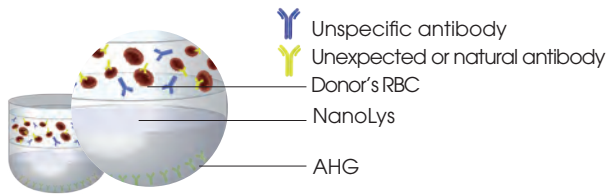
## Crossmatch

Donor's RBC magnetized «onboard» with IRONMAG  
AHG: Anti-IgG + Anti-IgM

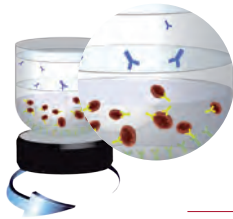


Patient recipient's serum or plasma

NanoLys  
Magnet

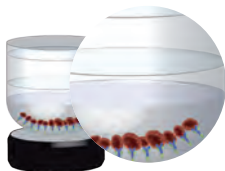


Incubation at room temperature and 37°C  
Antibodies bind to donor's RBC



Magnetic shaking: Magnetic field + shaking. The magnetized donor's RBC cross the NanoLys (high density barrier); no influence of the magnetic field on unspecific antibodies that remain blocked at the surface of the NanoLys.

No washing step



4+

**Positive reaction: Layer**

Recipient's antibodies fix donor's RBC: Reaction with AHG.

Do not transfuse blood



Neg

**Negative reaction: Clear dot**

No RBC antibodies:  
No reaction with AHG: donor's RBC create a dot

Transfusion may be performed

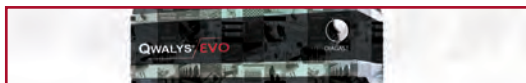
## Interpretation



Neg



Pos



## Crossmatch

*Ready-to-use reagents on microplates*

<b>Designation</b>	<b>Reference</b>	<b>Quantity</b>
CrossLys <i>8 AHG anti-IgG and anti-IgM coated plates</i>	79854	768 tests
DiluentLys	69301	1 x 100 mL
Mag-Plates <i>12 dilution plates (48 dilutions /plate)</i>	69302	576 tests
IRONMAG	20000	16 x 4 mL
NanoLys	69305	8 x 8 mL

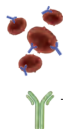
## Associated material

Tubes 11 mm	79886	2 880 tubes
Securitubes <i>Blood segment device</i>	96226	1 000 units

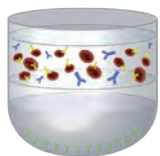
## Direct Coombs

Patient RBC magnetized  
«on board» with IRONMAG

AHG: Anti-IgG or Anti-C3d



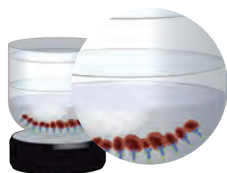
NanoLys  
Magnet



Incubation at room temperature



Magnetic shaking  
Only magnetized RBC go through  
the NanoLys



4+

Positive reaction: layer

If the RBC have already been sensitized  
in vivo: reaction with AHG



Neg

Negative reaction: clear dot

No in vivo sensitization

Interpretation



Neg



Pos



## Direct Coombs

*Ready-to-use reagents on microplates*

Designation	Reference	Quantity	Configuration
DC-Lys <i>8 AHG coated plates</i>	79300	256 tests	IgG C3D CtI   IgG C3D CtI   IgG C3D CtI   IgG C3D CtI
DiluentLys	69301	1 x 100 mL	
Mag-Plates <i>12 dilution plates (48 dilutions /plate)</i>	69302	576 tests	
IRONMAG	20 000	16 x 4 mL	
NanoLys	69305	8 x 8 mL	

## Disposables

CleanLys <i>Decontamination solution for QWALYS®</i>	20700	1 L
Dilution container	91329	1 unit
Adhesiplates <i>Microplate adhesive sealing sheet</i>	79849	500 units

## Internal Quality Control\*

CQI TDA <i>See details on page 30</i>	59509	2 x 6 mL
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\*On subscription

# PK<sup>®</sup>RANGE



Every year, more than 55 million tests are performed with DIAGAST reagents for PK<sup>®</sup> systems all over the world. Beckman Coulter Inc. is the exclusive distributor of the DIAGAST PK<sup>®</sup> 7300 reagents in North America, Canada and Australia.



## Grouping

### 1<sup>st</sup> determination

Designation	Reference	Quantity	Clones
ANTI-A (PK1)	73001	10 x 20 mL	2521B8 + 16243G2
ANTI-B (PK1)	73002	10 x 20 mL	9621A8
ANTI-AB (PK1)	73003	10 x 20 mL	2521B8 + 16243G2 + 16247E10 + 7821D9
ANTI-D TOTEM PK	73004	10 x 20 mL	P3x61 + P3x21223B10 + P3x290 + P3x35
ANTI-D (PK1)	73005	10 x 20 mL	P3x61

### Ready-to-use red blood cells\*

HEMA CELLS A1, B (PK1)	73041	4 x 20 mL
HEMA CELLS A2 (PK1)	73051	4 x 20 mL
HEMA CELLS O (PK1)	73061	4 x 20 mL

### 2<sup>nd</sup> determination

ANTI-A (PK2)	73201	10 x 20 mL	9113D10
ANTI-B (PK2)	73202	10 x 20 mL	164B5G10 + 7821D9
ANTI-AB (PK2)	73203	10 x 20 mL	152D12 + 9113D10
ANTI-D (PK2)	73204	10 x 20 mL	HM10

### Ready-to-use red blood cells\*

HEMA CELLS A1, B (PK2)	73040	4 x 20 mL
HEMA CELLS A2 (PK2)	73050	4 x 20 mL
HEMA CELLS O (PK2)	73060	4 x 20 mL



With the vial of 20 mL you can perform 675 tests

# PK<sup>®</sup> RANGE 7300

## RH - KELL Phenotyping

### *1<sup>st</sup> determination*

Designation	Reference	Quantity	Clones
ANTI-C (PK1)	73016	4 x 20 mL	P3x25513G8 + MS24
ANTI-E (PK1)	73027	4 x 20 mL	906
ANTI-c (PK1)	73008	4 x 20 mL	MS33
ANTI-e (PK1)	73009	4 x 20 mL	P3GD512 + MS63
ANTI-K (PK1)	73010	4 x 20 mL	MS56

### *2<sup>nd</sup> determination*

ANTI-C (PK2)	73225	4 x 20 mL	DGC02
ANTI-E (PK2)	73206	4 x 20 mL	P3x234 + MS258
ANTI-c (PK2)	73207	4 x 20 mL	951
ANTI-e (PK2)	73208	4 x 20 mL	HS128 + MS21
ANTI-e (PK)	73011	4 x 20 mL	P3GD512 + MS16 + MS21 + MS63
ANTI-K (PK2)	73209	4 x 20 mL	601

### *Control PK*

CONTROL PK	73000	10 x 20 mL	Negative control
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### *Ready-to-use Bromelin*

BROMELINE PK	73300	6 x 900 mL	
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With the vial of 20 mL you can perform 675 tests.



## Extended phenotyping

Designation	Reference	Quantity	Clones
ANTI-Fya (FY1) PK	73020	20 mL	DG-FYA-02
ANTI-Fyb (FY2) PK	73021	20 mL	SpA264LbG1
ANTI-Jka (JK1) PK	73022	20 mL	P3HT7
ANTI-Jkb (JK2) PK	73023	20 mL	P3.143
ANTI-S (MNS3) PK	73024	20 mL	P3S13JS123
ANTI-s (MNS4) PK	73025	20 mL	P3YAN3
ANTI-s (MNS4) PK	73032	20 mL	P3BER

## Associated reagents

Designation	Reference	Quantity	Clones
NEG CONTROL PK	73026	20 mL	Negative control
AHG ANTI-IgG PK	73028	20 mL	18833 + 18896
LISS PK	73029	900 mL	Low Ionic Strength Solution

Extended Typing PK 73035 675 tests  
 (this kit includes 1 ANTI-Fya, 1 ANTI-Fyb, 1 ANTI-Jka, 1 ANTI-Jkb, 1 ANTI-S, 1 ANTI-s, 1 NEG CONTROL, 4 AHG ANTI-IgG PK, 2 LISS PK)

	Fya	Fyb	Jka	Jkb	S	s	s	Control
Clone	DG-FYA-02	SpA264LbG1	P3HT7	P3.143	P3S13JS123	P3YAN3	P3BER	NA
Ig Class (R1 position)	IgG	IgM	IgM	IgM	IgG	IgG	IgM	NA
Maestria® AGH (R2 position)	X				X	X		X



With the vial of 20 mL you can perform 675 tests.

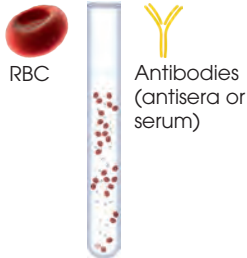
# MANUAL RANGE



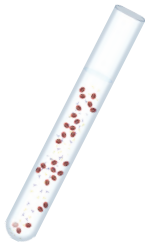


## Hemagglutination

Mix of Red Blood Cells suspension with antisera



Shaking: homogenization of the suspension

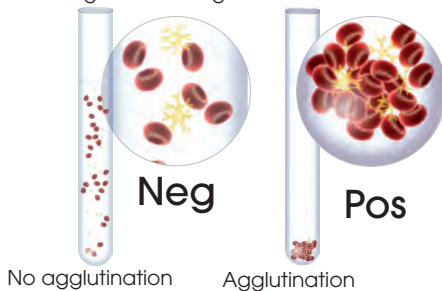


Centrifugation



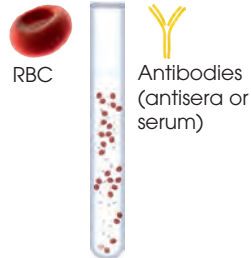
## Reading and interpretation

Gentle shaking and reading



## Indirect Antiglobulin Test

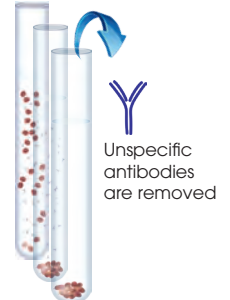
Mix of Red Blood Cells and antibodies



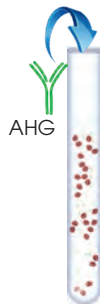
Incubation at 37°C



Washing



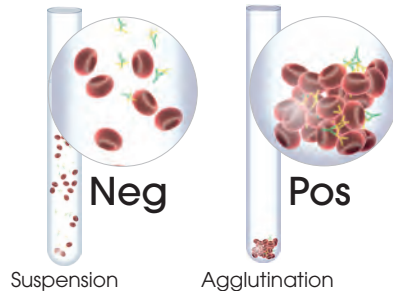
AHG dispensing



Centrifugation



## Reading and interpretation



# MANUAL RANGE

## Grouping

Designation	Reference	Quantity	Clones
ANTI-A (ABO1)	70501	5 x 10 mL	9113D10
	70540	100 x 10 mL	9113D10
ANTI-B (ABO2)	70502	5 x 10 mL	9621A8
	70541	100 x 10 mL	9621A8
ANTI-A,B (ABO3)	70503	5 x 10 mL	152D12 + 9113D10
NEG CONTROL	79000	5 x 10 mL	Negative control
ANTI-A1 (ABO4)	71025	1 x 5 mL	Lectin
ANTI-H (H1)	71026	1 x 2 mL	Lectin

## Grouping kit

GROUPAKIT	70888	5 x 10 mL	9113D10 + 9621A8 + 152D12 + 9113D10 + P3x61
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Includes ANTI-A (ABO1), ANTI-B (ABO2), ANTI-A,B (ABO3), ANTI-D (RH1) IgM I, NEG CONTROL

## Ready-to-use red blood cells (5 %)\*

HEMATEST A1, B	58950	2 x 5 mL (100 tests)
HEMATEST A1, A2, B, O	51999	4 x 5 mL (100 tests)

## Internal Quality Control\*

HEMA CQI	59500	4 x 4 mL
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See details on page 30





## The most complete Anti-D

Designation	Reference	Quantity	Clones
ANTI-D (RH1) TOTEM 2 clones IgM, 2 clones IgG Weak D detection in tube and slide techniques at room temperature Weak D detection in IAT (Indirect Antiglobulin Test) Detection of the most frequent partial D (DVI) at room temperature	71010	5 x 10 mL	P3x61 + P3x21223B10 + P3x290 + P3x35
ANTI-D (RH1) TOTEM	70544	100 x 10 mL	P3x61 + P3x21223B10 + P3x290 + P3x35

## Weak D detection

ANTI-D (RH1) IgG I.A.T (Indirect Antiglobulin Test)	71020	5 x 10 mL	HM16
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## Complementary reagents

ANTI-D (RH1) IgM I	71000	5 x 10 mL	P3x61
ANTI-D (RH1) IgM II	71005	5 x 10 mL	HM10



# MANUAL RANGE

## For the detection and identification of partial D Rhesus

Designation	Reference	Quantity	Clones
D-SCREEN	71194	9 x 2 mL	For research use

Kit of 9 monoclonal anti-D for identification of partial D: 5 IgG and 4 IgM (Frozen)

N°	Clone	Type	Partial D										
			II	IIIa IIIb IIIc	IVa	IVb	Va	VI	VII	DFR	DBT	Ro-Har	HMi
1	HM10	IgM	+	+	+	+	+	-	+	-	+	-	+
2	HM16	IgG	+	+	+	+	+	-	+	-	+	+	+
3	P3x61	IgM	+	+	+	+	+	-	+	±	+	+	+
4	P3x35	IgG	+	+	+	+	-	-	+	-	-	-	+
5	P3x21211F1	IgM	+	+	+	+	+	-	-	-	+	-	-
6	P3x21223B10	IgM	-	+	-	-	+	+	+	+	-	-	+
7	P3x241	IgG	+	+	+	+	-	-	+	±	-	-	+
8	P3x249	IgG	+	+	-	-	+	-	+	+	-	-	+
9	P3x290	IgG	+	+	±	-	+	±	+	+	-	-	+





## RH-Kell phenotyping

Designation	Reference	Quantity	Clones
ANTI-C (RH2)	74221	4 x 5 mL	P3x25513G8 + MS24
ANTI-E (RH3)	74311	4 x 5 mL	906
ANTI-c (RH4)	74011	4 x 5 mL	951
ANTI-e (RH5)	74611	4 x 5 mL	P3GD512 + MS63
ANTI-K (KEL1)	74711	4 x 5 mL	MS56
ANTI-DCE (RH1,2,3)	74111	5 x 5 mL	P3x25513G8 + P3x61 + P3x234
NEG CONTROL	79000	5 x 10 mL	Negative control

## RH-Kell phenotyping kit

PHENOKIT 74911 5 x 5 mL See clones above

Includes ANTI-C (RH2), ANTI-E (RH3), ANTI-c (RH4), ANTI-e (RH5), ANTI-K (KEL1)



# MANUAL RANGE

## Extended phenotyping

Designation	Reference	Quantity	Clones	Type
ANTI-Cw (RH8)	78013	1 x 3 mL	MS110	IgM
ANTI-Fya (FY1)	78014	1 x 3 mL	DG-FYA-02	IgG
ANTI-Fyb (FY2)	78015	1 x 3 mL	SpA264LBg1	IgM
ANTI-Jka (JK1)	78003	1 x 3 mL	P3HT7	IgM
ANTI-Jkb (JK2)	78004	1 x 3 mL	P3.143	IgM
ANTI-M (MNS1)	78005	1 x 3 mL	2514E6	IgG
ANTI-N (MNS2)	78006	1 x 3 mL	1422C7	IgG
ANTI-S (MNS3)	78007	1 x 3 mL	P3S13JS123	IgG
ANTI-s (MNS4)	78008	1 x 3 mL	P3YAN3	IgG
ANTI-Lea (LE1)	78009	1 x 3 mL	13643B9	IgM
ANTI-Leb (LE2)	78010	1 x 3 mL	GX336	IgM
ANTI-P1	78011	1 x 3 mL	650	IgM
ANTI-k (KEL2)	78016	1 x 3 mL	P3A118OL67	IgG
NEG CONTROL	79000	5 x 10 mL	Negative control	
ANTI-Kpa (KEL3)	78017	1 x 2 mL	Polyclonal reagent	
ANTI-Kpb (KEL4)	78018	1 x 2 mL	Polyclonal reagent	
ANTI-Lua (LU1)	78019	1 x 2 mL	Polyclonal reagent	
ANTI-Lub (LU2)	78021	1 x 2 mL	Polyclonal reagent	





## **Indirect / direct antiglobulin Tests**

<b>Designation</b>	<b>Reference</b>	<b>Quantity</b>	<b>Clones</b>
AGH MAESTRIA C3D	76118	4 x 5 mL	12011D10
AGH MAESTRIA IGG	76218	4 x 10 mL	18833 + 18896
AGH MAESTRIA IGG + C3D	76318	4 x 10 mL	18833 + 18896 + 12011D10



## **Enzymes - Buffer**

<b>Designation</b>	<b>Reference</b>	<b>Quantity</b>	<b>Clones</b>
PALERM	69015	1 x 10 mL	Ready-to-use papain
LISS	69013	1 L	Low Ionic Strength Solution (L.I.S.S.)
Bovine Albumin 30%	69000	1 x 10 mL	
Bovine Albumin 22%	69003	1 x 10 mL	

## **Associated material**

Securitubes <i>Blood segment device</i>	96226	1 000 units
Vials holder	91347	1 unit

# QUALITY CONTROLS

## INTERNAL QUALITY CONTROLS

### ABO-D typing and Rhesus-Kell

Designation	Reference	Quantity
HEMA CQI * (A, B, AB, O)	59500	4 x 4 mL

Designation	Group	Phenotyping		Antibodies	
HEMA CQI 1	AB	D- C- E- c+ e+ RH-1, -2, -3, 4, 5	K - KEL - 1		
HEMA CQI 2	B	D+ C+ E- c- e+ RH 1, 2, -3, -4, 5	K - KEL - 1	Anti-A (ABO1)	
HEMA CQI 3	O	D+ C+ E+ c+ e+ RH 1, 2, 3, 4, 5	K + KEL 1	Anti-A (ABO1)	Anti-B (ABO2)
HEMA CQI 4	A	D+ C- E+ c+ e- RH 1, -2, 3, 4, -5	K - KEL - 1		Anti-B (ABO2)



### Antibody Screening

SERA CQI Only for E.M. <sup>®</sup> Technology	59502	3 x 5 mL
ABS IQC All methods except E.M. <sup>®</sup> Technology	59507	3 x 5 mL

Designation	Antibodies	Results
SERA CQI 1	Anti-D (RH1)	4+
SERA CQI 2	Anti-Fya (FY1)	1+
SERA CQI 3		-

### Direct Antiglobulin Test (all methods)\*

CQI TDA 1 IQC-IgG sample, 1 IQC-C3d sample	59509	2 x 6 mL
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\* On subscription

# QUALITY CONTROLS

## EXTERNAL QUALITY CONTROLS

### Subscription to the External Quality Assessment scheme

Do you need further assistance in your accreditation process?

DIAGAST works with UCIL (Interlaboratory Control Unit) and proposes you 4 External Quality Assessment campaigns per year.

Designation	Reference	Composition
EEQ 1	59511	Grouping ABO-RH1 and Phenotyping RH-KEL1 AntiBody Screening
EEQ 2	59112	Direct Antiglobulin test
EEQ 3	59113	Extended phenotyping FY1,2 ; JK1,2 ; MNS 3,4 Antigen Typing RH8 ; MNS 1,2 ; LE1,2 ; P1 ; LU1,2
EEQ 4	59114	Crossmatch
EEQ 5	59115	Elution
EEQ 6	59116	Antibody Titration

All controls are available regardless of the used technique.

For additional information, please contact [eeq@diagast.com](mailto:eeq@diagast.com)



# BEDSIDE CARD

ABTest Card® is a bedside card based on the principle of M-Trap® Technology, by fixing red blood cells on a porous membrane that contains anti-A and anti-B antibodies, holding red blood cells with the corresponding Antigen. Negative results give a clear green signal and the positive results are red. This patented French technology that won the «Trophy for innovation» at JIB congress in November 2012, reduces analysis time, standardizes and reproduces results for a significant simplification of the procedure.

## ABTest Card®

Designation	Reference	Quantity
ABTest Card®	79070	100 kits
1 x ABTest Card® + 1 x vial of washing solution + 1 x safety lancet + 1 x blood segment device		

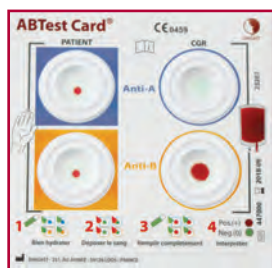
## Training kit

Designation	Reference	Quantity
ABTest Card® Training USB	99013	1
ABTest Card® Training Kit	99015	1
1 x XXL card (1.20 m x 0.61 m) with repositionable pictures + a compatible erasable marker + 1 x training USB		
Educational Training Pack	99021	1

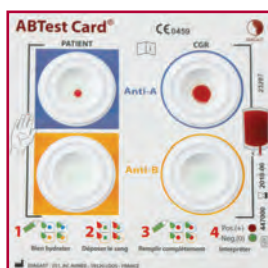
10 x Simplified Protocol **99017** + 50 x Check-list **99018** + 10 x Troubleshooting **99019**



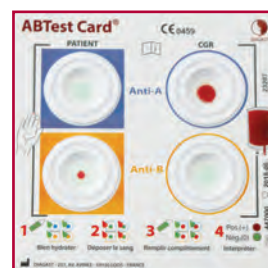
## Examples of reactions



According to the ABO compatibility rules, transfusion may proceed  
**Compatible**



According to the ABO compatibility rules, transfusion may proceed  
**Compatible**



According to the ABO compatibility rules :  
**transfusion may not proceed**  
**Incompatible**

## ABTest MULTI

Device for emergency and massive transfusion. Minimum 3 RBC units for the same patient.  
Shelf life after opening : 1h.

Designation	Reference	Quantity
ABTest MULTI	79080	25 kits (3 tests / card)
1x ABTest MULTI + 2 x vials of washing solution + 1 x safety lancet + 3 x red blood cells segment devices		

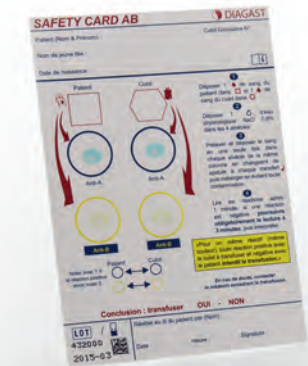
## Training Kit

Designation	Reference	Quantity
ABTest MULTI Training kit	99022	1
10 x simplified protocole 99023 - 1 training USB 99024		



## Safety card

Designation	Reference	Quantity
SAFETY TEST ABO 1 SAFETY CARD AB + 1 SAFETY PACK, (1 safety lancet + 1 blood segment device + 1 vial of isotonic saline solution + 4 stirrer-pipettes)	79069	100 kits
SAFETY CARD AB (Deutsch)	79076	100 cards
SAFETY CARD AB (Latvian)	79075	100 cards
SAFETY CARD AB (French)	79074	100 cards



## Examples of reactions

<p>According to the ABO compatibility rules, transfusion may proceed</p> <p><b>Compatible</b></p>	<p>According to the ABO compatibility rules, transfusion may proceed</p> <p><b>Compatible</b></p>	<p>According to the ABO compatibility rules : transfusion may not proceed</p> <p><b>Incompatible</b></p>
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## Training kit

Designation	Reference	Quantity
SAFETY CARD Training kit	99011	1 Kit

This training kit includes: 1 card XXL (1.20m x 0.85m) with repositionable pictures, compatible erasable marker (1 marker included) 1 training USB including: Powerpoint presentation, Quiz for evaluation, Photo instruction, Video, Troubleshooting Guide

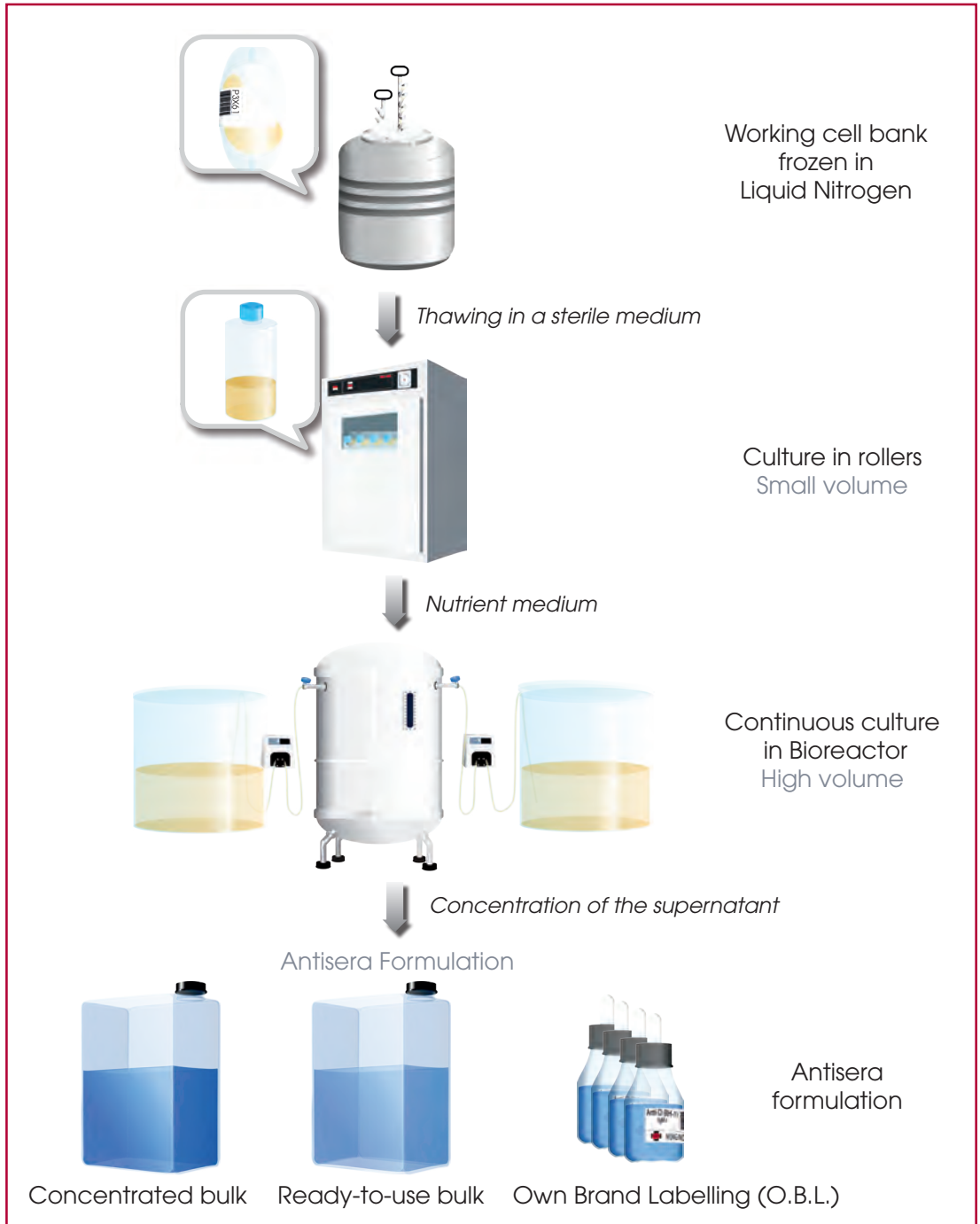
# OEM RANGE





## Your O.E.M. partner using tomorrow's technology for optimum transfusion safety

- From blood grouping to extended phenotyping
- Concentrated bulk For Further Manufacturing Use (F.F.M.U.)
- From standard one to finished product filled and packaged according to your specifications



### Grouping

Designation	Reference	Clones	Type
ANTI-A CONCENTRATE BULK	70115	9113D10	IgM
ANTI-B CONCENTRATE BULK	70215	9621A8	IgM
ANTI-A,B CONCENTRATE BULK	70315	152D12 + 9113D10	IgM
ANTI-D IGG CONCENTRATE BULK	71105	P3x290	IgG
ANTI-D IGM CONCENTRATE BULK	71115	P3x61	IgM
ANTI-D IGM CONCENTRATE BULK	71125	P3X21223B10	IgM
ANTI-D IGG CONCENTRATE BULK	71135	P3x35	IgG
ANTI-D IGM CONCENTRATE BULK	80460	HM10	IgM
ANTI-D IGG CONCENTRATE BULK	80461	HM16	IgG

### Phenotyping

ANTI-C CONCENTRATE BULK	71150	P3X25513G8	IgM
ANTI-E CONCENTRATE BULK	71152	906	IgM
ANTI-c CONCENTRATE BULK	80446	951	IgM
ANTI-e CONCENTRATE BULK	80445	P3GD512	IgM
ANTI-K CONCENTRATE BULK	80447	601	IgG

### Extended phenotyping

ANTI-P1 CONCENTRATE BULK	71140	650	IgM
ANTI-Fyb (FY2) CONCENTRATE BULK	80477	SpA264LBg1	IgM

### Diluent

DILUTION X5	80555		
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## Grouping

Designation	Reference	Clones	Type
ANTI-A DIAGAST BULK	70111	9113D10	IgM
ANTI-B DIAGAST BULK	70211	9621A8	IgM
ANTI-A,B DIAGAST BULK	70311	152D12 + 9113D10	IgM
ANTI-D IGM DIAGAST BULK	71111	P3x61	IgM
ANTI-D IGM DIAGAST BULK	80449	HM10	IgM
ANTI-D IGG DIAGAST BULK	71151	P3X290	IgG
ANTI-D IGG DIAGAST BULK	71171	HM16	IgG
ANTI-D TOTEM DIAGAST BULK	71101	P3x61 + P3X21223B10 + P3x290 + P3x35	2 IgM + 2 IgG
NEGATIVE CONTROL DIAGAST BULK 79011			

## Phenotyping

ANTI-C DIAGAST BULK	80415	P3X25513G8	IgM
ANTI-C DIAGAST BULK	80448	P3X25513G8+MS24	IgM
ANTI-E DIAGAST BULK	80410	906	IgM
ANTI-c DIAGAST BULK	80441	951	IgM
ANTI-e DIAGAST BULK	80423	P3GD512+MS63	IgM
ANTI-K DIAGAST BULK	80412	601	IgG
ANTI-K DIAGAST BULK	80419	MS56	IgM
ANTI-DCE DIAGAST BULK	80464	P3X25513G8+P3X61+P3X234	IgM

## Diluent

DILUTION X5	80555
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### Extended phenotyping

Designation	Reference	Clones	Type
ANTI-Fya (FY1) DIAGAST BULK	80442	DG-FYA-02	IgG
ANTI-Fyb (FY2) DIAGAST BULK	80450	SpA264LBg1	IgM
ANTI-M (MNS1) DIAGAST BULK	80432	2514E6	IgG
ANTI-N (MNS2) DIAGAST BULK	80433	1422C7	IgG
ANTI-Jka (JK1) DIAGAST BULK	80434	P3HT7	IgM
ANTI-Jkb (JK2) DIAGAST BULK	80435	P3.143	IgM
ANTI-Lea (LE1) DIAGAST BULK	80436	13643B9	IgM
ANTI-Leb (LE2) DIAGAST BULK	80437	GX336	IgM
ANTI-S (MNS3) DIAGAST BULK	80438	P3S13JS123	IgG
ANTI-s (MNS4) DIAGAST BULK	80443	P3YAN3	IgG
ANTI-P1 DIAGAST BULK	80444	650	IgM
ANTI-k (KEL2) DIAGAST BULK	80452	P3A118OL67	IgG
ANTI-CW DIAGAST BULK	80463	MS110	IgM

### Antiglobulins - Enzymes - Buffer

Maestria (polyspecific IgG + C3d)	80420	18833 + 18896 + 12011D10
Antiglobulin anti-C3d monoclonal	80421	12011D10
Maestria IgG (mono spécifique IgG)	80422	18833 + 18896
BROMELINE 100 mL	69023	
PAPAIN LIQUID R.T.U.	69019	

### Other Reagents

A and B Substances	69723
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# TRAINING CENTRE

The DIAGAST training centre welcomes nearly one hundred trainees each year and achieves a very high satisfaction rating. Besides trainings on DIAGAST products, our immunohaematology and quality experts offer a number of different options depending on your requirements, ranging from basic to advanced sessions.

## **QWALYS® TRAINING**

### **- QWALYS® User Training Module**

**Ref 91952**



This course is designed for QWALYS® users and is performed in your laboratory. The aim of the course is to be able to successfully launch QWALYS® immunohaematology assays.

### **- QWALYS® Referent Training Module**

**Ref 90950**








This course is designed for QWALYS® users. The aim of the course is to become a QWALYS® referent. This expertise includes day-to-day operational management, troubleshooting, maintenances and curative action.



# TRAINING CENTRE

## **SERVICES and TRAINING AVAILABLE on-site or at DIAGAST Training Centre (International)**

- |  |                                  |   |
|--|----------------------------------|---|
| <b>- QWALYS® Installation and Curative Maintenance</b><br>This service covers the installation of the QWALYS® by the DIAGAST team and troubleshooting  | <b>Ref 91379 / 91376 / 91375</b> |  |
| <b>- QWALYS® Operator Training</b><br>For international customer and users   | <b>Ref 91388</b>                 |  |
| <b>- QWALYS® Product Specialist Training</b><br>For distributors – 1 week  | <b>Ref 91389</b>                 |  |
| <b>- QWALYS® Field Service Engineer Training</b><br>For distributors – 1 week  | <b>Ref 91390</b>                 |  |
| <b>- DIAGAST Audit</b><br>Needs assessment, issue identification and solution preparation; Performance optimization advice; Action plan definition and proposal for appropriate application support. | <b>Ref 91391</b>                 |  |





DIAGAST

*The blood matching company*

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