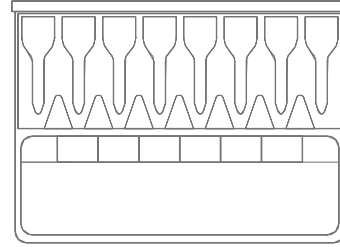
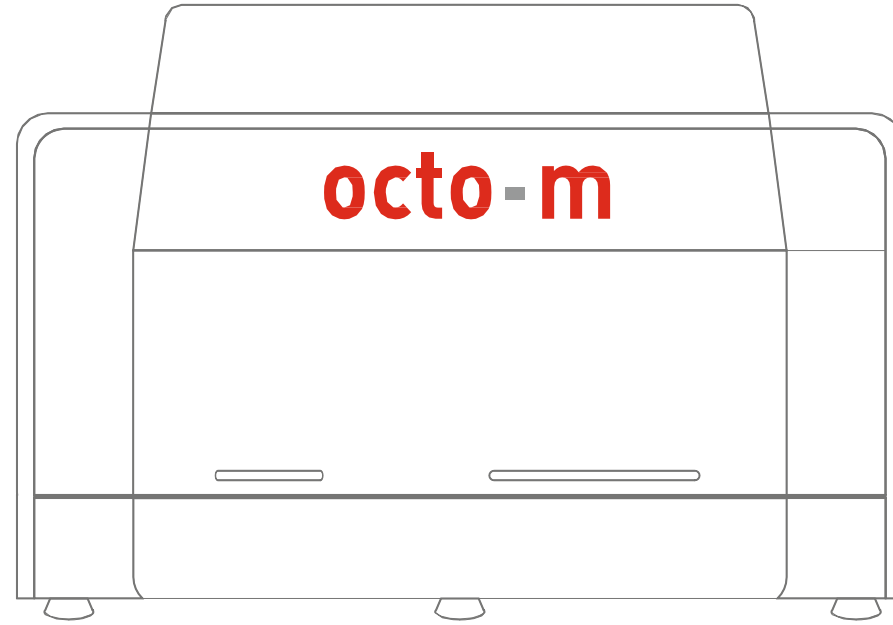
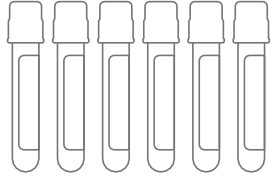


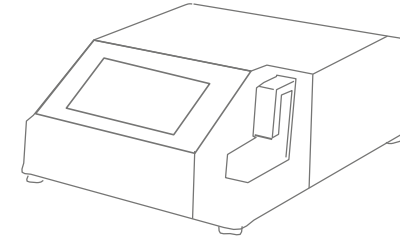
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## GEL TEST CARDS



A	B	AB	D <sup>VI</sup> -	D <sup>VI</sup> +	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3	RH1	RH1			

### Across Gel Forward & Reverse ABO with D<sup>VI</sup>/D<sup>VI</sup>+

Forward and reverse ABO grouping card, comprising D<sup>VI</sup>- and D<sup>VI</sup>+ microtubes; being used in determining the blood types of all patients, including pregnant women, children, etc.

Ref No: 810201 --- 50 Cards

A	B	AB	D <sup>VI</sup> -	CDE	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3	RH1				

### Across Gel Forward & Reverse ABO with D<sup>VI</sup>/CDE

Rh sub-group scanning can be made on forward and reverse grouping card via CDE microtube.

Ref No: 810202 --- 50 Cards

A	B	AB	D <sup>VI</sup> +	CDE	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3	RH1				

### Across Gel Forward & Reverse ABO with D<sup>VI</sup>+/CDE

Not only D<sup>VI</sup> antigen is checked, but also the existence of C and E antigens are sought in donor blood via forward and reverse grouping card.

Ref No: 810203 --- 50 Cards

A	B	AB	D <sup>VI</sup> -	Kell	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3	RH1	KEL1			

### Across Gel Forward & Reverse ABO with D<sup>VI</sup>/Kell

Allows the determination of both D, and Kell antigens on forward and reverse grouping card.

Ref No: 810204 --- 50 Cards

A	B	AB	D <sup>VI</sup> +	Kell	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3	RH1	KEL1			

### Across Gel Forward & Reverse ABO with D<sup>VI</sup>+/Kell

Forward and reverse ABO grouping card. Both D<sup>VI</sup>, and Kell antigens are sought in donor blood so as to minimize the immunization risk among recipients.

Ref No: 810205 --- 50 Cards

A	B	D <sup>VI</sup> -	Ctl.	A	B	D <sup>VI</sup> +	Ctl.
ABO1	ABO2	RH1		ABO1	ABO2	RH1	

### Across Gel Double ABO/D<sup>VI</sup>+

Allows for the control of the existence of D<sup>VI</sup> antigen in forward and Rh grouping, and for the economization in grouping by way of working two tests on one card.

Ref No: 810206 --- 50 Cards

A	B	D <sup>VI</sup> -	Ctl.	A	B	D <sup>VI</sup> -	Ctl.
ABO1	ABO2	RH1		ABO1	ABO2	RH1	

### Across Gel Double ABO/D<sup>VI</sup>-

In the case of no need to work reverse grouping test, the card allows user to run 2 blood grouping tests.

Ref No: 810207 --- 50 Cards

A	B	AB	A <sub>1</sub> (Lectin)	H	Ctl.	N/A <sub>1</sub>	N/B
ABO1	ABO2	ABO3					

### Across Gel ABO Typing

Alongside forward and reverse grouping, allows for ABO subgroup typing via Lectin A<sub>1</sub>, Anti-H.

Ref No: 810208 --- 50 Cards  
811208 --- 10 Cards

D <sup>VI</sup> -	C	E	c	c'	Kell	Ctl.
RH1	RH2	RH3	RH4	RH5	RH8	KEL1

### Across Gel Rh Phenotyping with Kell (K)

This card, typing the antigens of Rh and Kell systems in details, and minimizing the erroneous results with the ctl microtube, also allows for finding the most suitable blood for the patients undergoing transfusion frequently.

Ref No: 810209 --- 50 Cards  
811209 --- 10 Cards

C	E	c	e	C	E	c	e
RH2	RH3	RH4	RH5	RH2	RH3	RH4	RH5

### Across Gel Rh Phenotyping

Allows for the detection of C, c, E, e antigens within Rh system. Two different tests can be conducted on one single card.

Ref No: 810210 --- 50 Cards  
Ref No: 811210 --- 10 Cards

IgG							

### Across Gel Anti-IgG

Being used with monospecific Coombs reagent in detecting free IgGs on erythrocyte surface, and / or in serum / plasma.

Ref No: 810214--- 50 Cards  
Ref No: 811214--- 10 Cards

A	B	D <sup>2+</sup>	Ctl.	N	N	AHG	AHG
AB01	AB02	RH1					

### Across Gel Cross Match

Complete Cross Match Card; ABO/Rh blood type control of recipient and donor, as well as major and minor cross match (for whole blood), or major cross match and autoantibody tests (for erythrocyte suspension) of the patient in environments with enzyme and Coombs can be done simultaneously via one card.

Ref No: 810217 --- 50 Cards

Kell	Ctl.	Kell	Ctl.	Kell	Ctl.	Kell	Ctl.
KEL1		KEL1		KEL1		KEL1	

### Across Gel Anti-Kell

Being used for the detection of Kell antigen with the highest antibody formation risk right after D antigen. 4 samples can be worked via one single card.

Ref No: 810212 --- 50 Cards  
Ref No: 811212 --- 10 Cards

AHG							

### Across Gel AHG(IgG+C3d)

Environment with Coombs reactive, to be used for direct Coombs, indirect Coombs, antibody screening, antibody identification, cross match, auto control, and for the use in the typing tests of weak D and other system antigens.

Ref No: 810215--- 50 Cards  
Ref No: 811215--- 10 Cards

Neutral				AHG			

### Across Gel Neutral /AHG

Allows for the detection of auto and allo antibodies in serum / plasma via enzyme and Coombs methods.

Ref No: 810218--- 50 Cards  
Ref No: 811218--- 10 Cards

A	B	AB	D <sup>2+</sup>	D <sup>2+</sup>	Ctl.	IgG	AHG
AB01	AB02	AB03	RH1	RH1			

### Across Gel Newborn

Newborn Card; Allows for conduct of forward ABO grouping, detection of D<sup>2+</sup>- and D<sup>2+</sup>+ antigens, and monospecific and polyspecific direct Coombs tests on one single card.

Ref No: 810213 --- 50 Cards  
Ref No: 811213 --- 10 Cards

AHG	IgG	C3d	Ctl.	AHG	IgG	C3d	Ctl.
-----	-----	-----	------	-----	-----	-----	------

### Across Gel Monospecific Direct Coombs (DAT)

While allowing for working with two samples, this card also allows for the conduct of polyspecific test with AHG, and monospecific direct Coombs test with IgG and C3d.

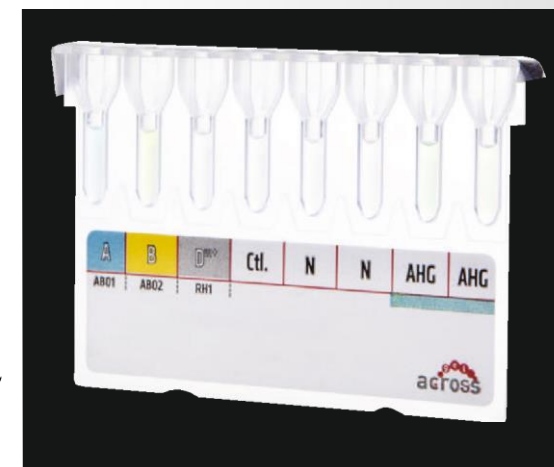
Ref No: 810216 --- 50 Cards  
Ref No: 811216--- 10 Cards

Neutral							

### Across Gel Neutral

Comprises neutral microtubes to be used in reverse grouping, antibody screening and identification, cold agglutinin test, and in typing isoagglutinin titer and other system antigens.

Ref No: 810219--- 50 Card  
Ref No: 811219--- 10 Cards










## RED BLOOD CELL REAGENTS AND SOLUTIONS



	REFERENCE CODE	PRODUCT NAME	PACKAGE
<b>Reverse Grouping RBC</b>	820101	Across RBC A1/B	2 x 10ml
	820102	Across RBC A1/A2/B/O	4 x 10ml
	820103	Across Cell Screen 2	2 x 10ml
	820104	Across Cell Screen 2P	2 x 10ml
<b>Antibody Screening &amp; Identification RBC</b>	820105	Across Cell Screen 4	4 x 10ml
	820106	Across Cell Screen 4P	4 x 10ml
	820107	Across Identi Cell	11 x 5ml
	820108	Across Identi Cell P	11 x 5ml
	820109	Across RBC Coombs Control	10ml
<b>QC Cell</b>	820110	Across Quality Control	4 x 6ml
<b>Solutions</b>	830100	Across LISS	100ml
	830500	Across LISS	500ml
	830200	Across Bromeline	100ml
	830300	Across Papaine	10ml
	830600	Across Wash A	500ml
	830700	Across Wash B	500ml



## BLOOD COLLECTION TUBES

	Additive	Size	Volume	Laboratory Use
	Cloth activator	5 ml 8,5 ml	12x100 16x100	For serum determinations in chemistry. For routine blood donor screening and diagnostic testing of serum for infectious disease. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 60 minutes
	Cloth activator and gel	5 ml 8,5 ml	12x100 12x100	For serum determinations in chemistry. For routine blood donor screening and diagnostic testing of serum for infectious disease. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 30 minutes
	K3EDTA	2 ml 4 ml	12x75 12x75	K3EDTA for whole blood hematology determinations. Tube inversions ensure mixing of anticoagulant (EDTA) with blood to prevent clotting.
	9NC Na3 Citrate 3.2%	2 ml 4 ml	12x75 12x75	For coagulation determinations. CTAD for selected platelet function assays and routine coagulation determination. Tube inversions ensure mixing of anticoagulant (citrate) to prevent clotting.
	Litium Heparin	2 ml 4 ml	12x75 12x75	For plasma determinations in chemistry. Tube inversions ensure mixing of anticoagulant (Heparin) with blood to prevent clotting.





## MANUEL TEST EQUIPMENTS

### Across System Card Centrifuge

- With 24-Card capacity
- Constant speed and time optimized for Across Gel cards
- Visual and audible alarm in case of unstable loading, or power failure
- Operable via 50-60 Hz mains power
- Dimensions: 525 mm X 410 mm X 180 mm
- Weight: 15 Kg

Ref No: 900100



### Across System Card Incubator

- **With 24-Card capacity**
- Formed of a total of two blocks with 12-card capacity per each
- With adjustable digital temperature and time indicator
- Operable via 50-60 Hz mains power
- Dimensions: 325 mm X 295 mm X 95 mm
- Weight: 4 Kg

Ref No: 900110

### Across System Pipette

- Distribution of samples in series of 10 µl, 25 µl, and 50 µl
- Easy-to-dispose used leads
- Adaptable to left/right-handed use

Ref No: 900120

### Across System Workstation

- **With 12/24-Card capacity**
- Sample tubes and solutions for the test cards on the same unit
- Independently usable card, tube, and reagent modules
- Dimensions:  
Big : 8mm X 58mm X 32mm  
Small : 8mm X 47mm X 32mm

Ref No: 900140 - 24 Card capacity  
900150 - 12 Card capacity

### Across System Card Reader

- A compact device with its Own Operating System and Touch Screen Monitor
- Positive identification; Card/Test evaluation; Personal password
- Real Card image; Visual archiving; 300.000 test capacity
- Archive search with Name, Surname, Id, Date, Between certain dates to see all the test results; For a patient to see all the results in past.
- Transmission of test results to HIS/LIS
- Remote access system

Ref No: 900160

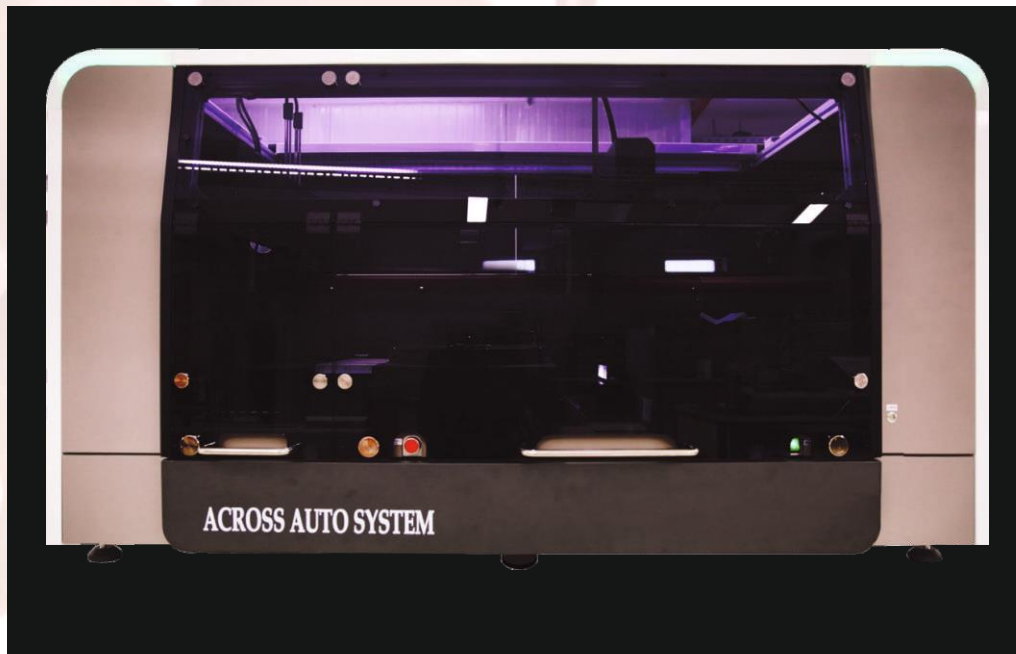
### Across System Dispenser

- Fast and reliable use
- Choice of use in 100 ml and 500 ml bottles

Ref No: 900130



## ACROSS AUTO SYSTEM



The Across Auto System is a high throughput automated gel card processing system for blood grouping, cross matching and antibody screening for the complete line of Across gel cards. The IVD 98/79 EC compliant system can perform all functions automatically; full positive identification, cell suspensions, piercing of Across Gel Cards, pipetting, incubation, centrifugation, reading and interpretation.

### Across Auto System

The Across Auto System supports multiple gel cards:

- Blood grouping cards for patients
- Blood grouping cards for donors
- Cross matching cards
- New born cards
- Antigen typing cards
- Antibody screening and identification cards

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<b>Identification by Barcode reader</b>	Sample Tubes:	Yes, automated
	Gel Cards:	Yes, automated
	RBCs:	Yes, automated
	Solutions:	Yes, manual BC reading
	Check expiration:	Yes
<b>Identification by CCD camera</b>	Gelcard rack identification:	Yes, automated
	Bubble detection:	Yes
	Clot detection:	Yes
	Reader enclosed:	Yes
<b>Centrifugation</b>	Evaluation as real time image:	Yes
	Capacity:	1 x 24 Cards
<b>Incubation</b>	Capacity:	1 x 24 Cards
	Temperatures:	RT and 37°C
<b>Pipetting</b>	Number of arms and probes:	1 arm with 2 probes, 2 arms for cards
	Tips:	Teflon
	Clot detection:	Yes
	Level detection:	Yes
	Dilution plates:	Yes
<b>Interface</b>	Bi-directional LIS connection:	Yes
	Evaluate and send results:	Yes
<b>Instrument</b>	Capacity:	96 Samples 12 RBCs LISS and Bromeline each 100 ml 200 Gel Cards
	<b>Others</b>	
	Shaker for RBC reagents:	Yes
	Emergency Entry:	Yes
	External barcode scanner:	Yes
	Emergency stop button	Yes

### Software

The Across Auto System is controlled via an intuitive graphical user interface that guides users through the system, requiring minimal training. Joblists can be downloaded from the LIS and results transmitted via the bidirectional interface.

### Results

For further evaluation of results, real card images are processed and stored in archive files onboard the instrument. Extensive search functions are available to locate results such as name, surname, id, date etc.



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