

CORMAY DIAGNOSTICS

The Lifeline To Better Health

A Partnership You Can Count On



Hematology Technology Roadmap

3 DIFF

3 DIFF + CRP

5 DIFF

VET



MYTHIC X

- 60 samples/hour
- 23 parameters



MYTHIC 3CRP

- 60 samples/hour
- 22 parameters



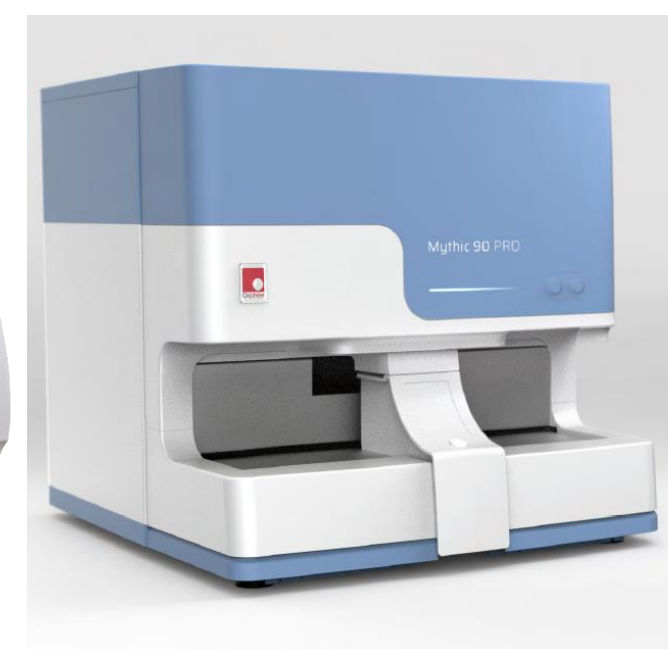
MYTHIC 60

- 60 samples/hour
- 28 parameters



MYTHIC 70

- 70 samples/hour
- 28 parameters



MYTHIC 90

- 5-DIFF + RET + BF
- 90 samples/hour
- 49 parameters



MYTHIC 5VET PRO

- 5-DIFF + RET
- 60 samples/hour
- 34 parameters

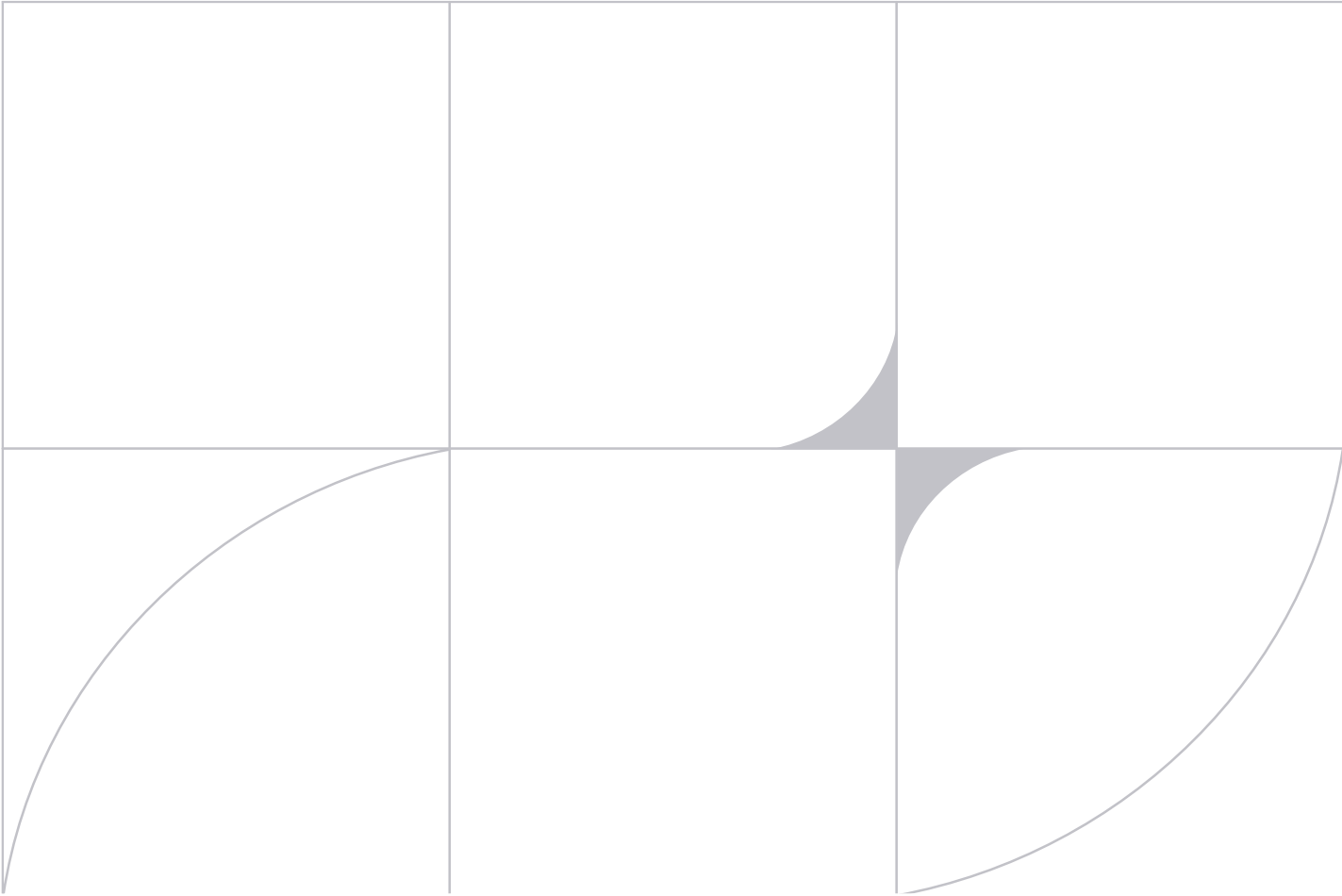
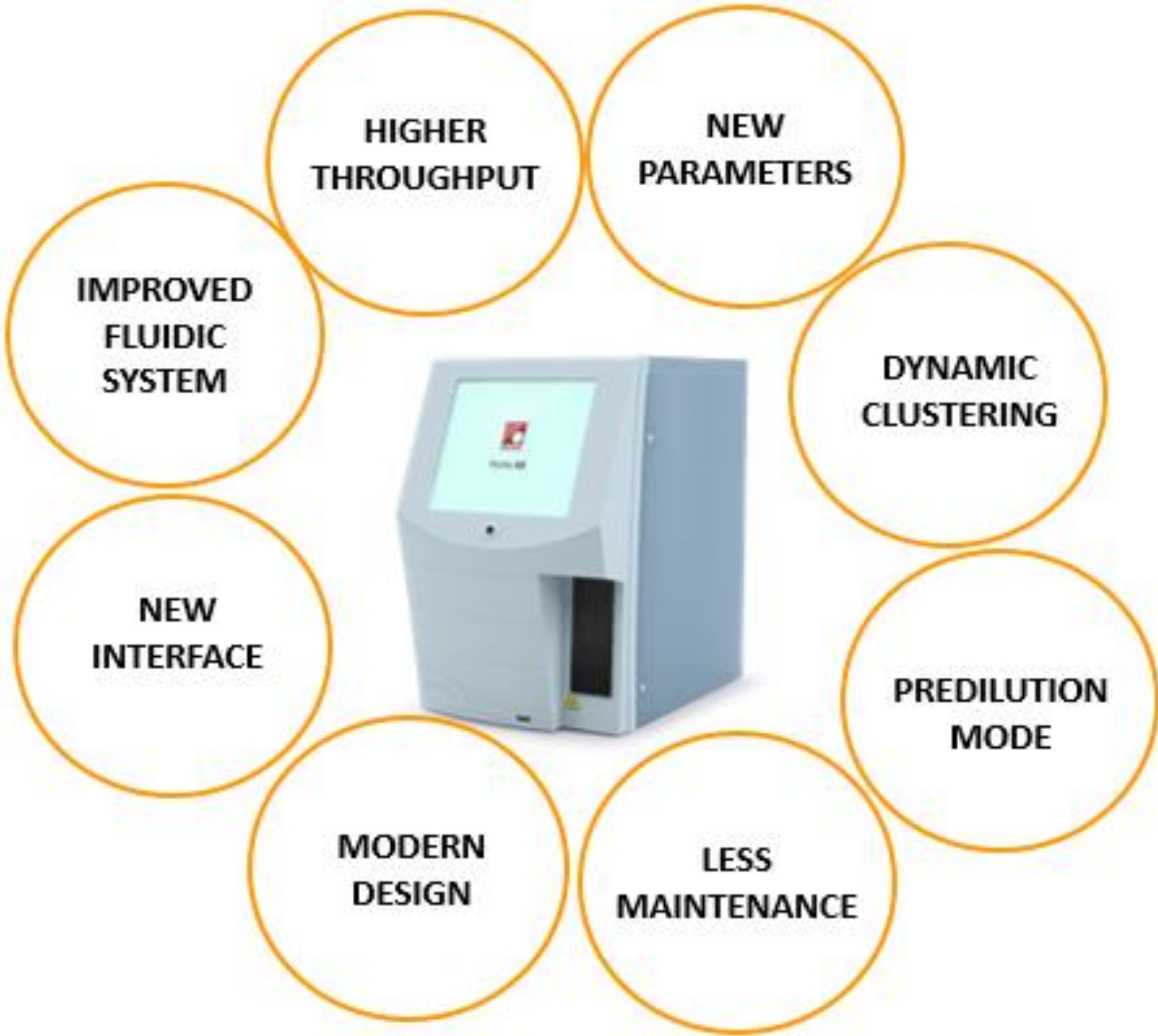
MYTHIC 22 vs MYTHIC 60

Modern Design & More Capabilities



Features	Mythic 22	Mythic 60
Technology	Hydrofocusing Free Optical Flow Cytometry, True 5-DIFF	Patented “Hydrofocusing” Optical Flow Cytometry, True 5-DIFF, Dynamic Clustering
Throughput	50	60
Sample volume	15,7 µl	15,8 µl
Parameters	24	28
Size	250 x 340 x 350 mm (W x D x H), 11 kg	405 x 270 x 430 mm (W x D x H), 13 kg
Reagents	3	3
Testing After Collection	Up to 8 hours	Up to 24 hours
Dynamic Clustering	No	Yes
Prediluted Mode	No	Yes
Internal Memory	1.500 results	35.000 results

MYTHIC 60



NEW PARAMETERS

WBC:		RBC:	PLT:
WBC #		RBC #	PLT #
LYM %	LYM #	HGB	MPV
NEU %	NEU #	HCT	PDW*
MON %	MON #	MCV	PCT*
EOS %	EOS #	MCH	P-LCR*
BASO %	BASO #	MCHC	
		RDW-CV	
		RDW-SD	
NEW			
ALY %*	ALY #*		
IMM %*	IMM #*		

* Research Use Only Parameters

28
PARAMETERS

MYTHIC 60

New Interface & Updated Software

- New **Grafical User Interface**
- Mythic 60 features advanced algorithm classification of leucocytes – **Dynamic Clustering** that automatically defines the cell populations' areas at each run.
- New sampling modes: Whole Blood Dif (DIF WB) + Whole Blood CBC (CBC WB) + **Pre-diluted** Blood Dif (DIF PD) + Pre-diluted Blood CBC (CBC PD).
- Possibility to enter **more information** for each sample: name, PID, SID (can be entered with barcode reader), birth date, doctor's name, comments, mode (DIF WB / DIF PD / CBC WB / CBC PD) and gender (U/M/F).
- **Predefined reference ranges.** Are changed **automatically** accordingly to patient's age and sex.
- Patients, QC and calibration results have more **transparent design**.



MYTHIC 60

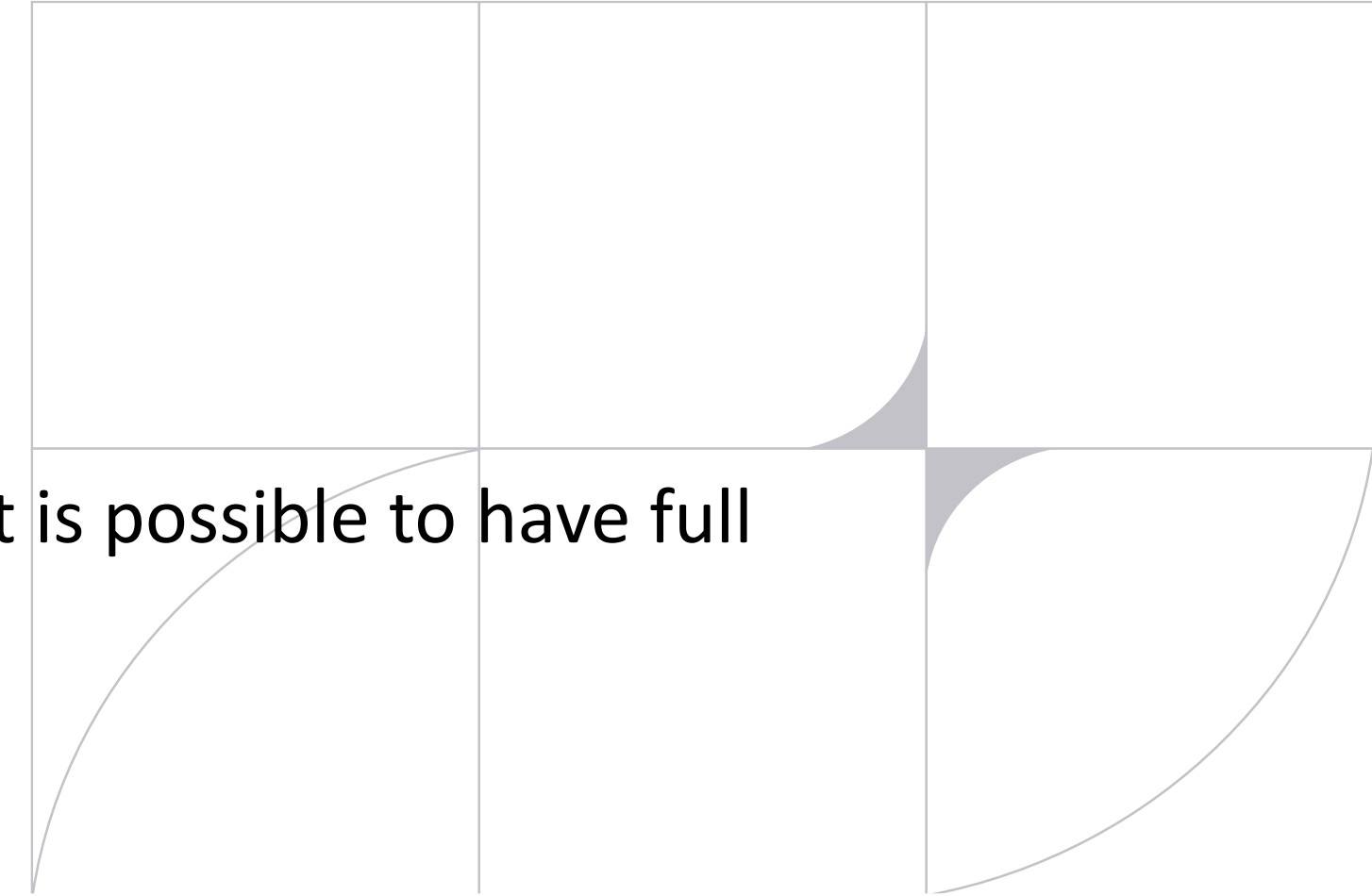
New Interface & Updated Software

- Improved sample's **flagging** and **alarms** system.
- Up to **35 000** places in memory for patients results, qc and calibration data.
- USB barcode reader, keyboard and **printers options available**.
- New **reagent management system**. Close system.
 - Reagent expiry and onboard stability monitoring.
 - Checking the remain volume of reagents and counting remain samples.
 - Reagents LOTs log.
 - Open drain option for waste.
- Reagent and events log system collects more information for **more efficient troubleshooting** process.

MYTHIC 60

New Interface & Updated Software

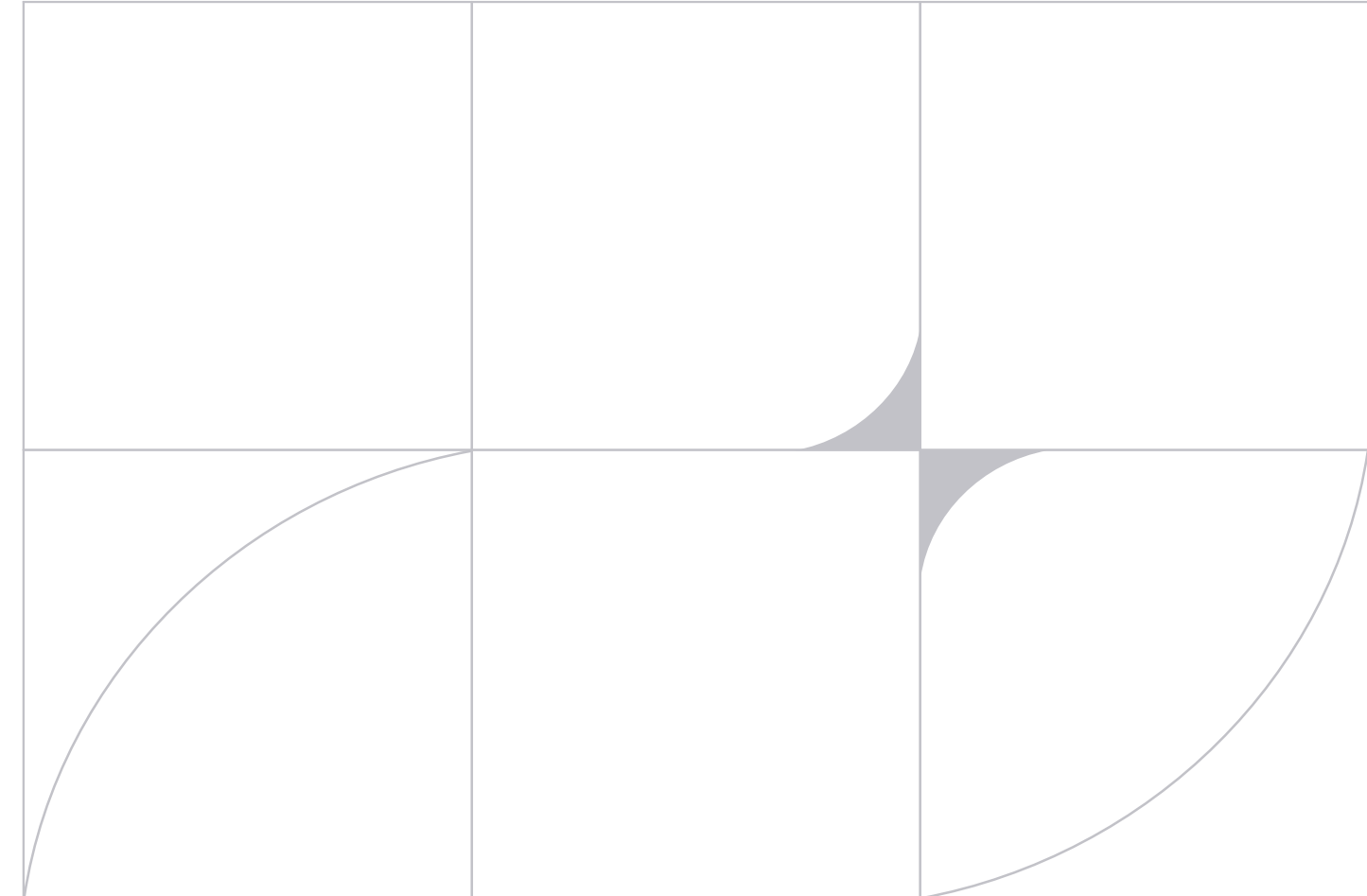
- Up to 100 results in 12 files for QC data. By pressing DETAILS in QC file it is possible to have full result's view. More **transparent design**.
- New **user management** system.
- Log-in by using password **increases data security**.
- **Automatic power up** can be defined for each day separately. **Shorter time of preparation** by running startup without login.



MYTHIC 60

Improved Electronic System

- CPU board is relocated to a front panel behind the screen.
- New big 8.4 inch (800x600) touch panel LCD.
- Mythic 60 uses same as Mythic 22 24V – 6.67 A – 160W power supply.
- New operating system – Linux.
- New design utilizes as much as possible parts present in MYTHIC 22 generation: valves, pumps, stepper motors, sensors and more.
- Impedance channel preamplifier is integrated with the CPU board. Low level signals are transmitted by coax cables.
- Valves electrical connections are kept separately from hydraulic connections.
- Counting chamber electrode can be replaced singly for each chambers.



MYTHIC 60

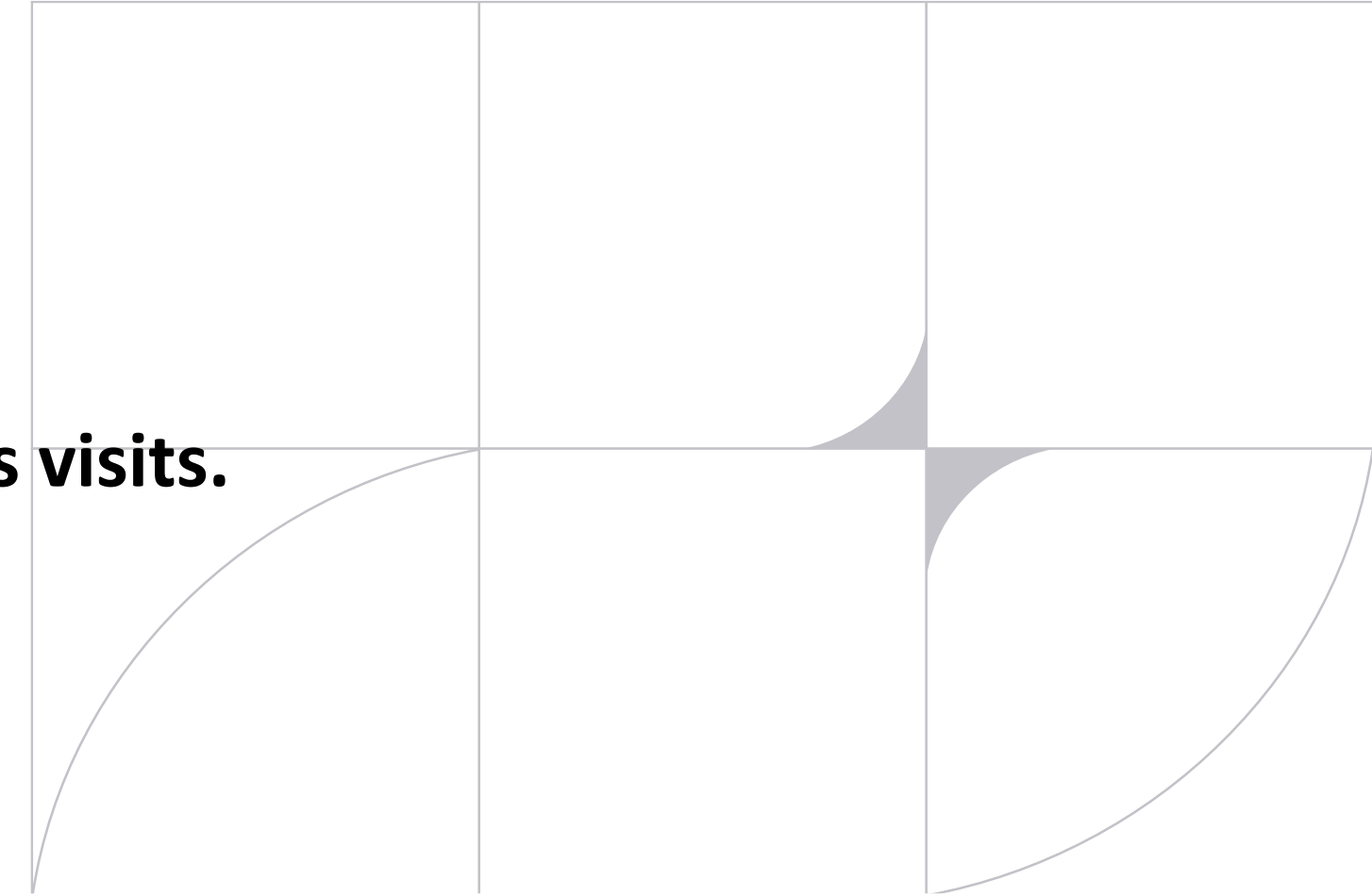
Improved Electronic System

- HGB LED and detector can be replaced **individually**.
- 5 USB universal ports, TCP/IP and RS-232 for LIS/HIS connection.
- No risk of CPU board or preamplifier flooding for higher instrument reliability.
- Analyzer has big touch panel LCD to easier control and more effective work.
- New counting chambers design fixes problems related to coax/electrodes and counting heads and allows faster service and **lower maintenance cost**.
- **Linux** provides **more** default settings for printers.
- Plenty of USB connectivity options: keyboard, barcode reader, printer and USB external storage.

MYTHIC 60

Improved Fluidic System

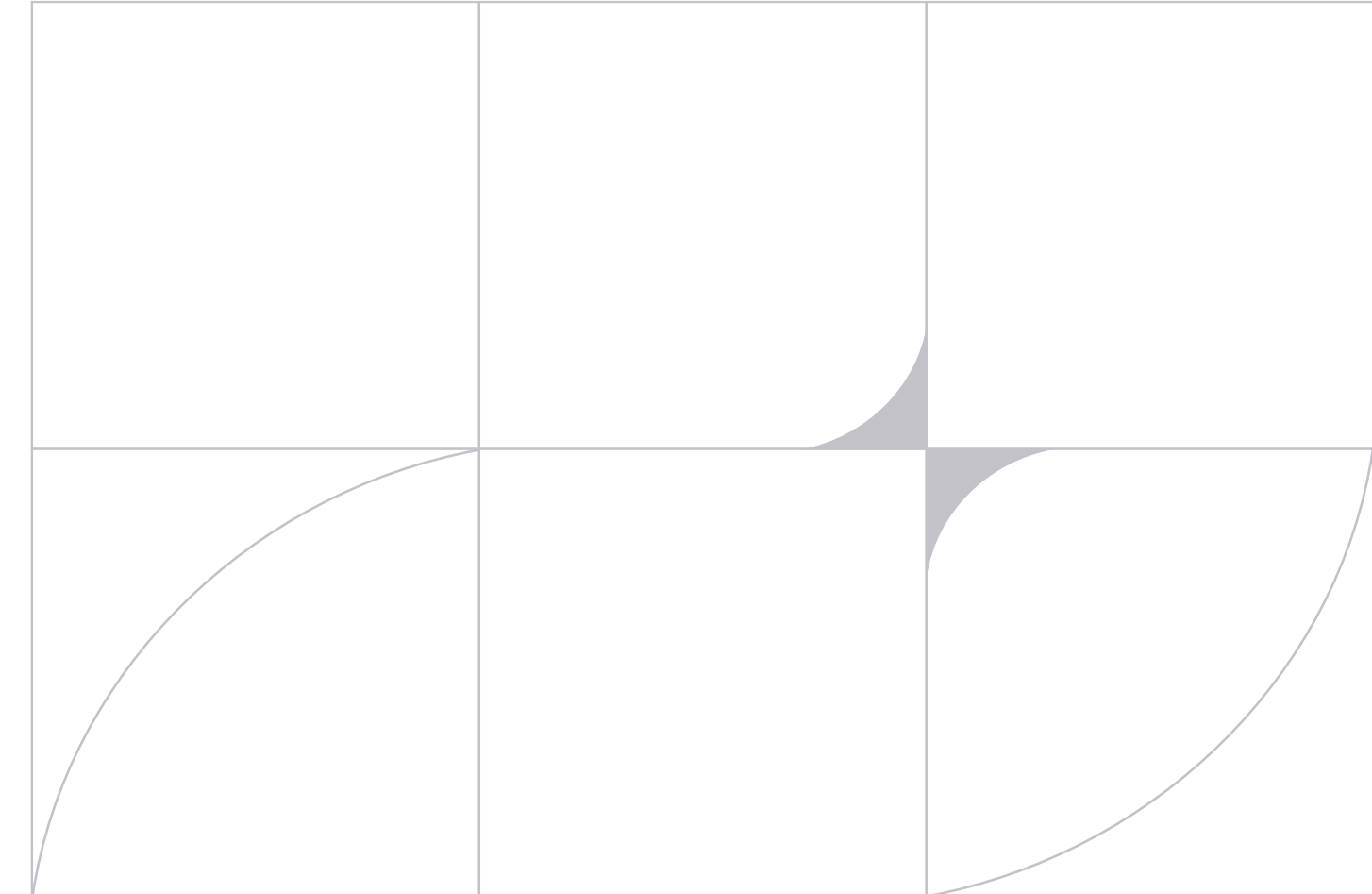
- Maintenance free tubing's connections for **less field service engineers visits**.
- Same molded fittings everywhere – **less spare parts SKUs and cost**.
- **Cheaper and more reliable** solution than an etched block.
- **No** risk of **reagents leaking**.
- **Very easy** dismantle and parts exchange.
- New counting chamber design **improves its reliability**, faulty electrode can be replaced instead of whole chamber.
- O-rings are uniform part of a syringe body, its replacement is **easier** than before.
- Only reagents are heated, analyzer reach operating temperature **faster**.
- Needle rinsing is improved due to dedicated pump.
- **Higher uptime** – 98,5 %.



MYTHIC 60

Improved Optical System

- New concept of a patented flow cell.
- Increased size of flow cell injector from 80 to 200 μm .
- Sample is shaped by “hydrofocusing” system.
- Flow cell built with very precise parts.
- Optical bench aligned in the same way as in Mythic 22.
- New LED blue light source to illuminate sample with better efficiency.
- Faster, providing greater precision, preamplifiers design.
- Additional 4 optical parameters.
- Dynamic Cells Clustering.



MYTHIC 60

Improved Optical System

- Higher throughput with 60 samples per hour due to increased cells flow speed.
- More cell can be recognized by the optical bench for more precise and accurate results.
- Lower pressure impact on white blood cells during sample's injection into flow cell. Higher resolution of 5-part diff separation for oncology samples.
- Bigger size of injector limits possibility of its clogging. Lower maintenance procedure, higher uptime.
- Hydrofocusing shapes and reduces a diameter of cell flow to 80 μm - same as in previous generation, for single cell measurement.

MYTHIC 60

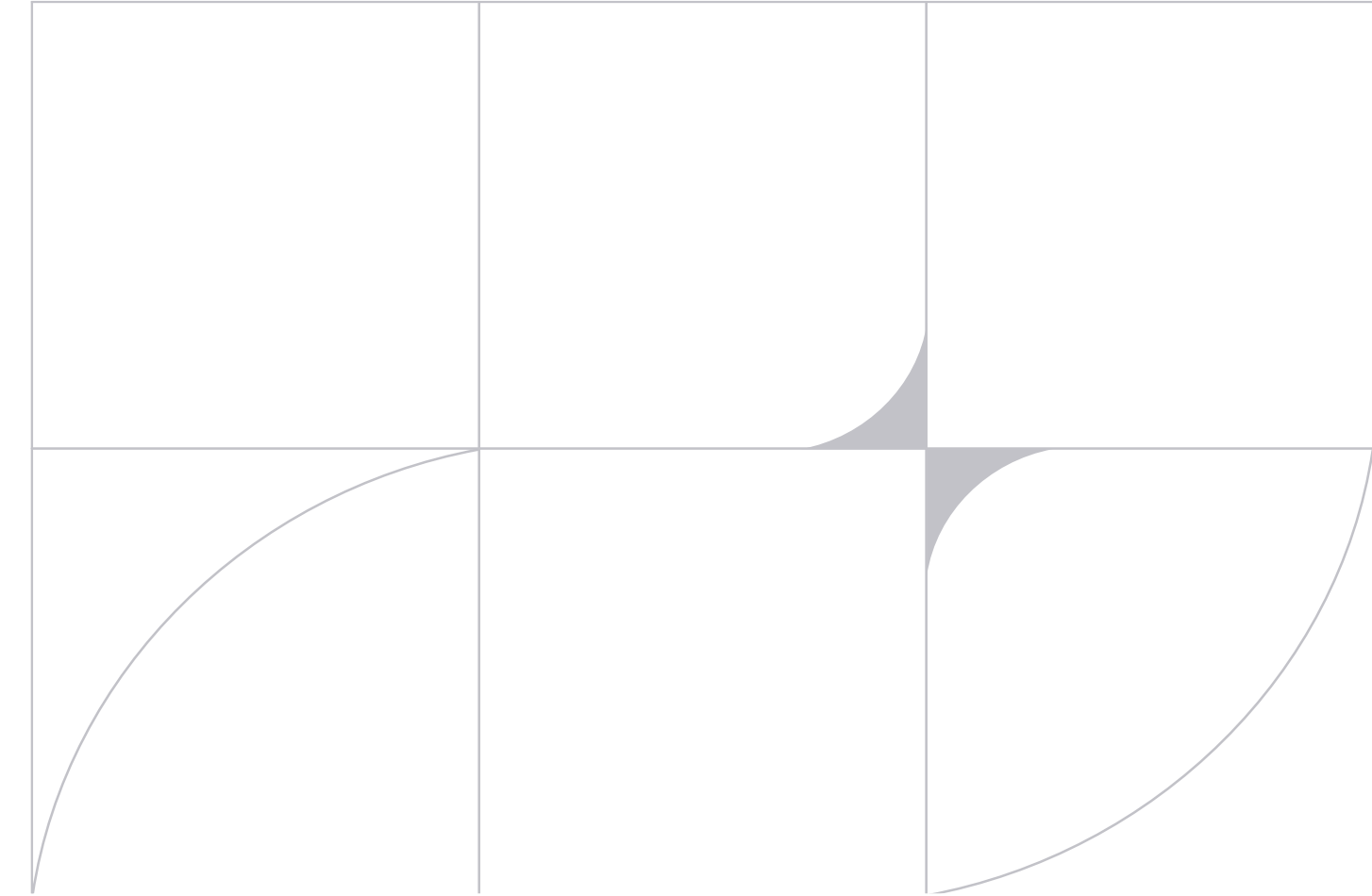
Improved Optical System

- Due to patented construction of the flow cell and proprietry Dynamic Clustering algorithm Mythic 60 is enable to differentiate WBCs accurately even **after 24 hours** from blood collection.
- Use of blue wavelength, in conjunction with OnlyOne lytic reagent, enhances recognition of basophiles and allows to deliver **true 5-diff results** with measurement in one optical channel.
- Optical and impedance measurement can be performed with one dilution for **less reagent** consumption, **faster measurement** and more **accurate results**.
- All alignments are the same as in Mythic 22. Whole procedure can be made with same tools and calibration materials (WBC latex and G-CAL). **No extra cost** of spare parts and storage. Low time consuming procedure.

MYTHIC 60

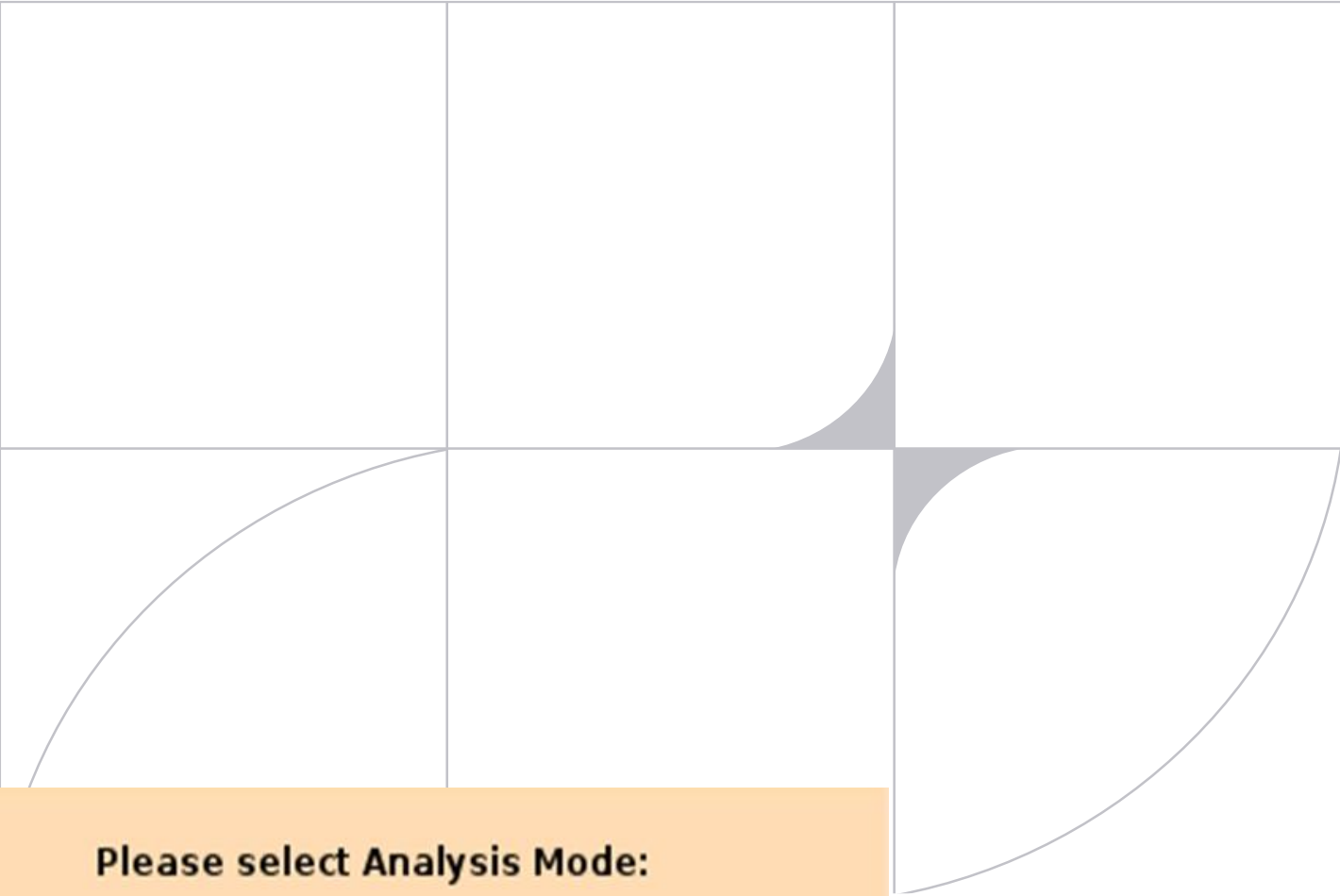
Dynamic Clustering

- Automatically defines the cell populations areas at each run.
- Individualized results for each patient.
- The algorithm uses successive statistical analysis to compare the coordinates of elements and define the populations thresholds.
- Dynamic Clustering for WBC differentiation and improved flagging diagram help in diagnosing problematic oncology and hematology samples. Diseases can be recognize faster in more precise manner and risk of misdiagnosis decrease significantly.
- Challenging samples, 24 hours after collection.





MYTHIC 60 Predilution Mode

- New sampling modes: Pre-diluted Blood Dif (DIF PD) + Pre-diluted Blood CBC (CBC PD).
- Faster preparation of prediluted samples due to automatic doze of diluent from a sampling needle.



Please select Analysis Mode:

<input checked="" type="radio"/> DIF Whole Blood	<input type="radio"/> CBC Whole Blood
<input type="radio"/> DIF Pre-Diluted	<input type="radio"/> CBC Pre-Diluted



MYTHIC 60
Less Maintenance

- Tubbing connections patented solution.
- Lifetime tubing.
- New flowcell design.
- New chambers design.
- Separation fluidic and electrical parts.

		Startup	Shutdown	Flush Cleaning	Pistons greasing	Needle O-ring replaceme nt	Motor screw greasing
Daily	U	👉	👉				
Weekly				👉			
Semi annually					👉		
Annually							
						👉	👉

- # tests countdown for maintanance actions. Flush cleaning every 5 days or every 200 samples

MYTHIC 60



EXCELLENT
PERFORMANCE

FAST
PAYBACK

SMALL
FOOTPRINT

MORE
PROFIT

WIDE
RANGE OF
CUSTOMERS

COMPETITIVE
OFFER

TRUE 5-DIFF Technology

MYTHIC 18 vs MYTHIC X

Modern Design & More Capabilities

AVAILABLE Q2 2022



Features		Mythic 18	Mythic X
Technology		Hydrofocusing Free Optical Flow Cytometry,	Hydrofocusing Free Optical Flow Cytometry,
Throughput		60	60
Sample volume		10,0 µl	10,0 µl
Parameters		20	24
Size		250 x 340 x 350 mm (W x D x H), 9 kg	406 x 275x 415 mm (W x D x H), 18 kg
Reagents		3	3
Touchscreen		5,7 inch	10,4 inch
Prediluted Mode		No	Yes and capillary whole blood
Internal Memory		1.500 results	100.000 results
Thermal printer		No	built in
LIS connection		one way	bi-directional
Reagent ID		barcode	RFID technology and barcode

MYTHIC 18 vs MYTHIC 3 CRP

Modern Design & More Capabilities

AVAILABLE Q2 2022



Feature	Mythic 18	Mythic 3CRP
Technology	Impedance, Spectrophotometry	Impedance, Spectrophotometry, Latex Immune Nephelometry
Throughput	60	60/45 (CRP)
Sample volume	9,6 µl	20 µl
Parameters	20	22
Prediluted Mode	No	Yes
Reagents	3	2
Built-in thermal printer	No	Yes
Connection	RS232	HL7
Touchscreen	5,7 inch	10,4 inch
Internal Memory	1.500 results	50.000 results

Technology	Flow cytometry and Multi Angel Scatter Separation
Throughput	90 /h30 /h BodyFluid
Parameters	49 parameters(14 RUO, 7 BF) WBC, LYM%, MON%, NEU%, EOS%, BASO%, LYM#, MON#, NEU#, EOS#, BASO#, RBC, HGB, RETIC_ABS, RETIC%, IRF, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCC, P_LCR, ALY#, ALY%, LIC#, LIC%, NRBC%, BLAST%, NRBC#, BLAST#, InR#, InR%
Sample volume blood	20uL
Sample volume BF	75uL
Linearity	WBC 0 - 400 x 10⁹/L RBC 0 - 8.60 x 10¹²/L HGB 0 - 300 g/L PLT 0 - 5 000 x 10⁹/L
Operation mode	CBC, CBC+DIFF, CBC+DIFF+RET, RET
No of reagents	4 reagents , 1 lyse
Autoloader	Autoloader for 50 samples
Internal Memory	500.000 Samples

AVAILABLE Q2 2022



THANK
YOU



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of satisfied customers