



**Biochemistry-Contributing to
ten glorious years of Tata
Medical Center**

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Timeline

- | Dry chemistry
- | Immunofluorescence
- | Chromatography
- | Electrophoresis
- | Laboratory informatics
- | Urine analyzer
- | Pneumatic chute



2011

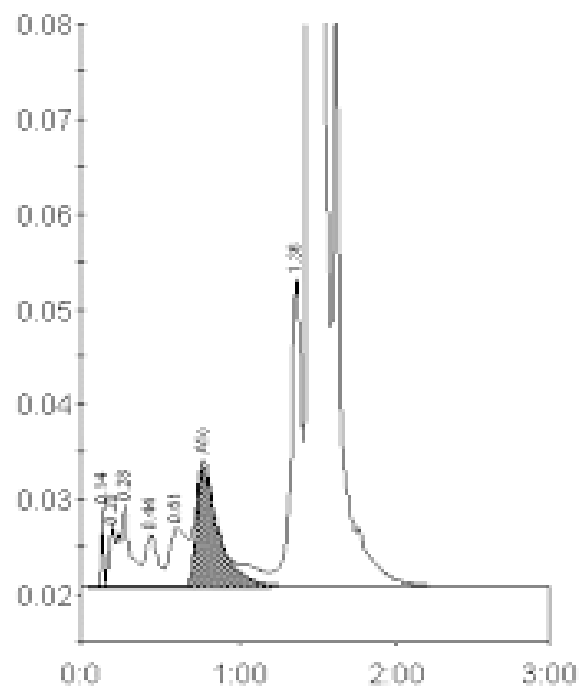
The metabolic panel workhorses



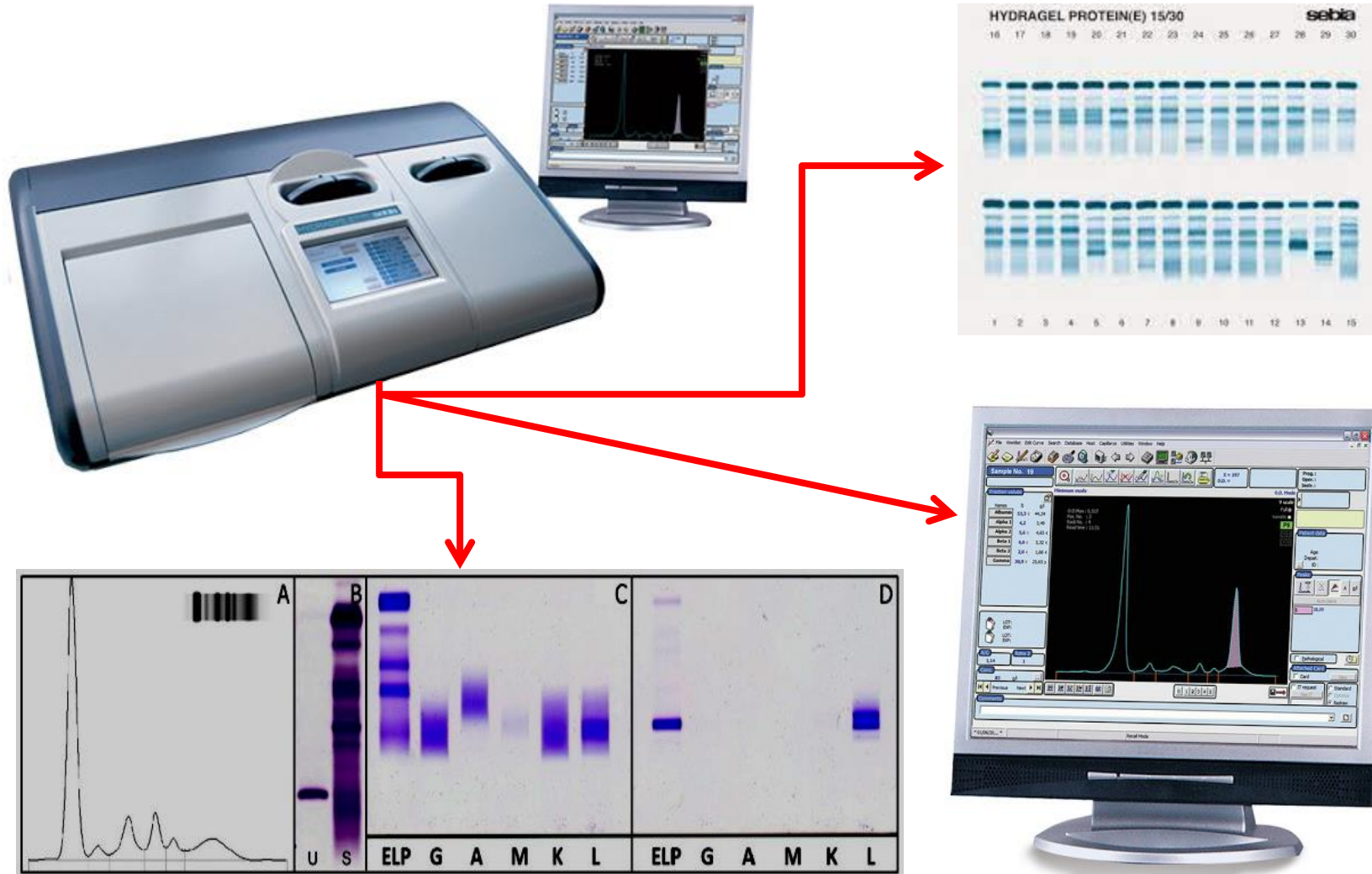
The tumor marker system



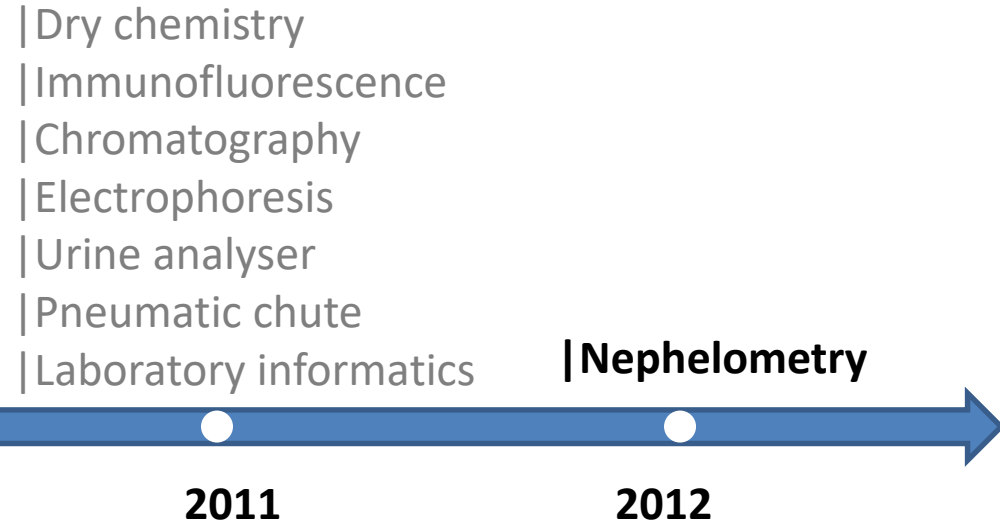
Chromatography



Electrophoresis



Timeline



Nephelometry

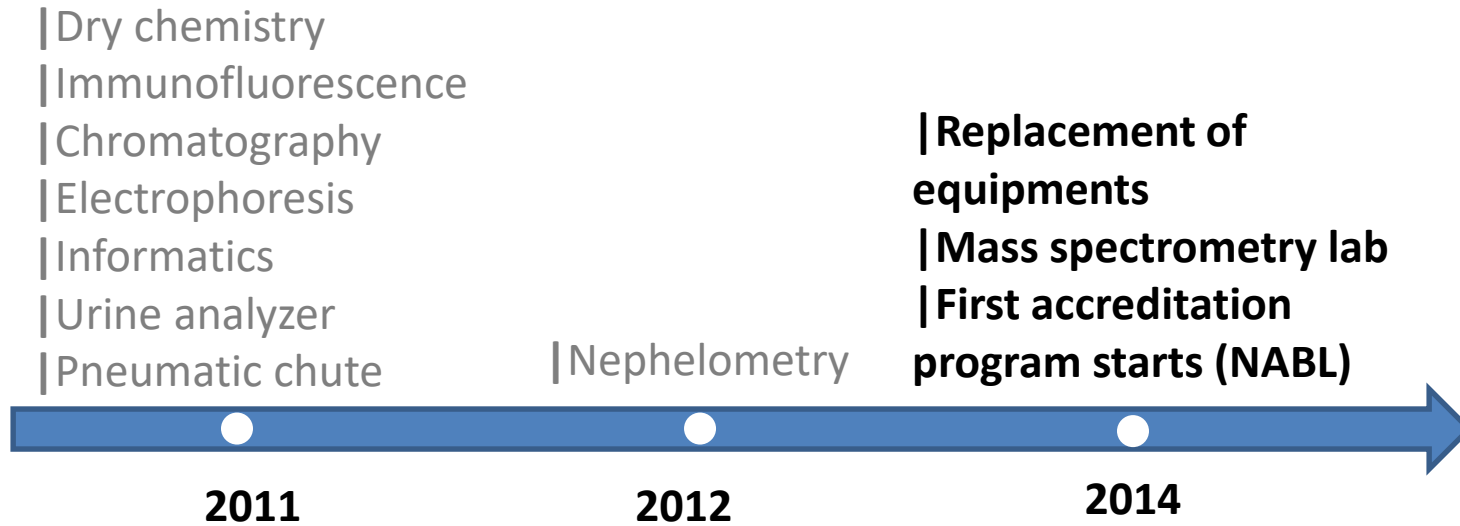


(2012)



(2018)

Timeline



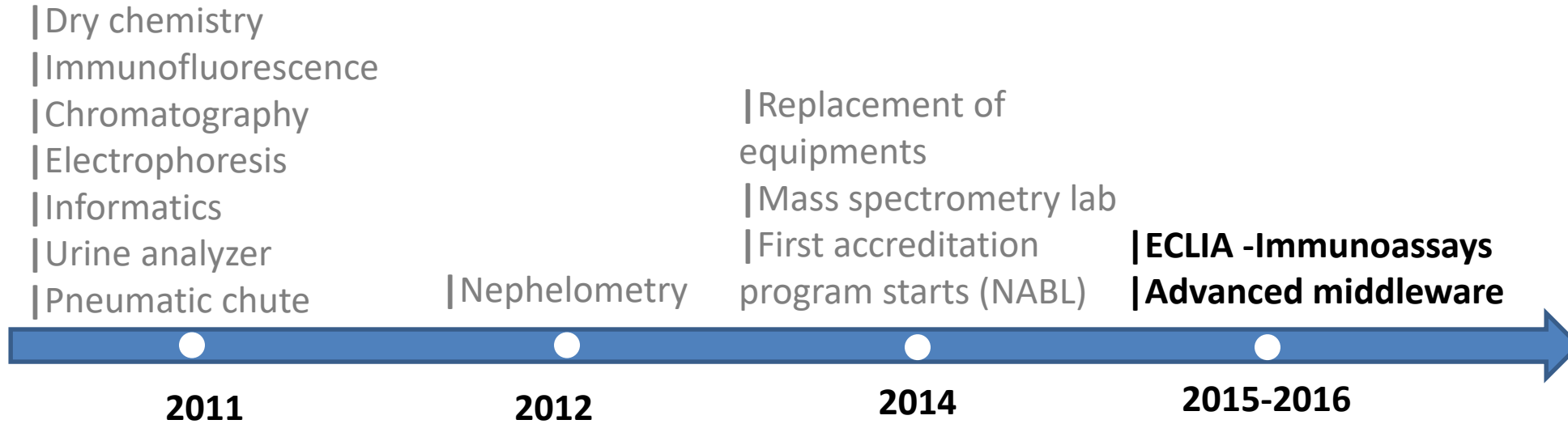
Addition of equipments all through



The advanced mass spectrometry lab



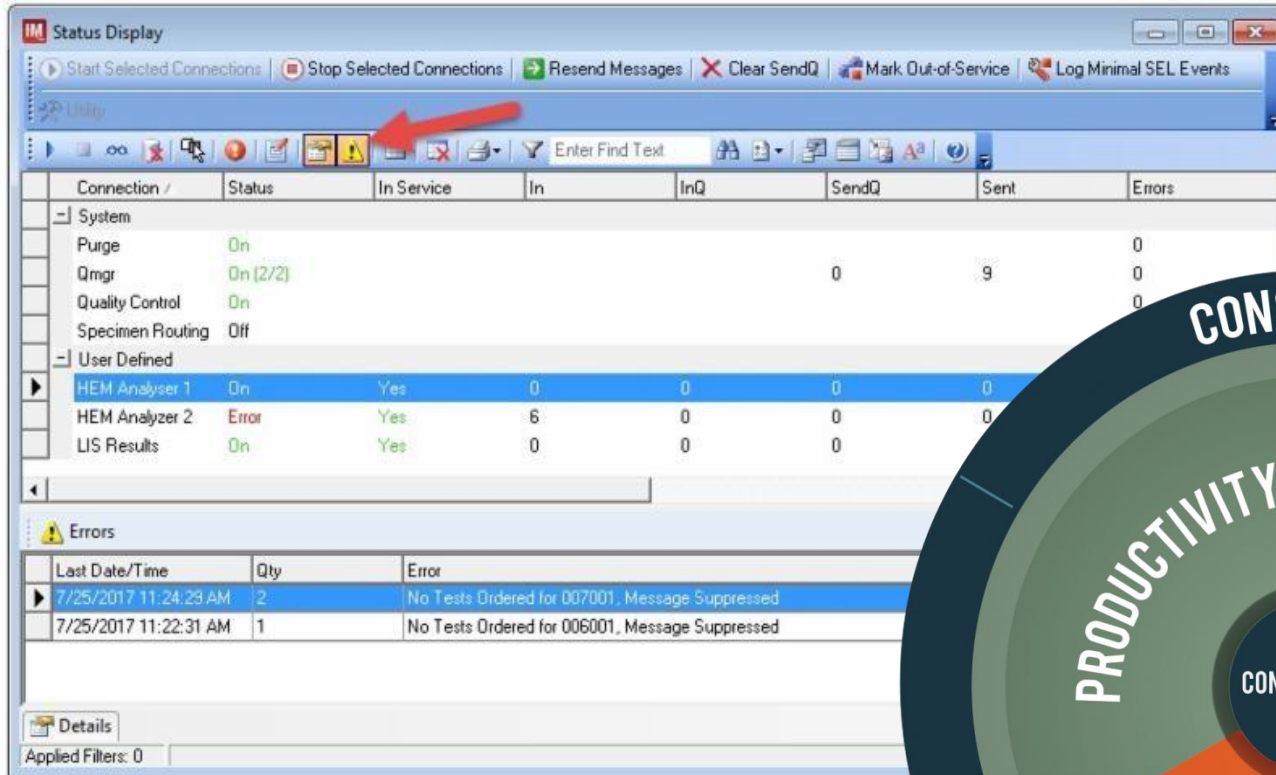
Timeline



ECLIA platform



Advanced middleware capabilities



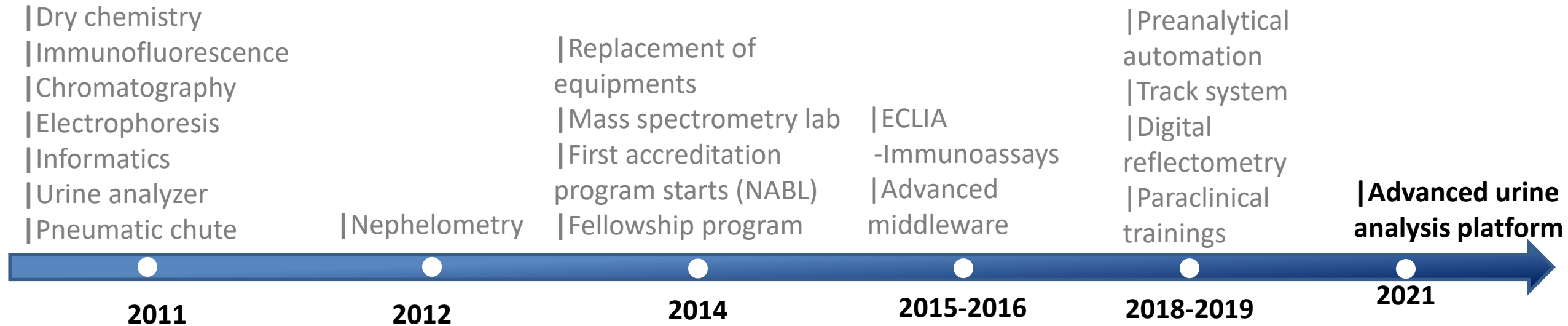
The screenshot shows a 'Status Display' window with a toolbar at the top containing icons for 'Start Selected Connections', 'Stop Selected Connections', 'Resend Messages', 'Clear SendQ', 'Mark Out-of-Service', and 'Log Minimal SEL Events'. A red arrow points to a warning icon in the toolbar. Below the toolbar is a table with columns: Connection /, Status, In Service, In, InQ, SendQ, Sent, and Errors. The table is divided into 'System' and 'User Defined' sections. The 'User Defined' section includes 'HEM Analyser 1', 'HEM Analyser 2', and 'LIS Results'. Below the table is an 'Errors' section with columns: Last Date/Time, Qty, and Error.

Connection /	Status	In Service	In	InQ	SendQ	Sent	Errors
System							
Purge	On						0
Qmgr	On (2/2)				0	9	0
Quality Control	On						0
Specimen Routing	Off						
User Defined							
HEM Analyser 1	On	Yes	0	0	0	0	
HEM Analyser 2	Error	Yes	6	0	0	0	
LIS Results	On	Yes	0	0	0		

Last Date/Time	Qty	Error
7/25/2017 11:24:29 AM	2	No Tests Ordered for 007001, Message Suppressed
7/25/2017 11:22:31 AM	1	No Tests Ordered for 006001, Message Suppressed



Timeline



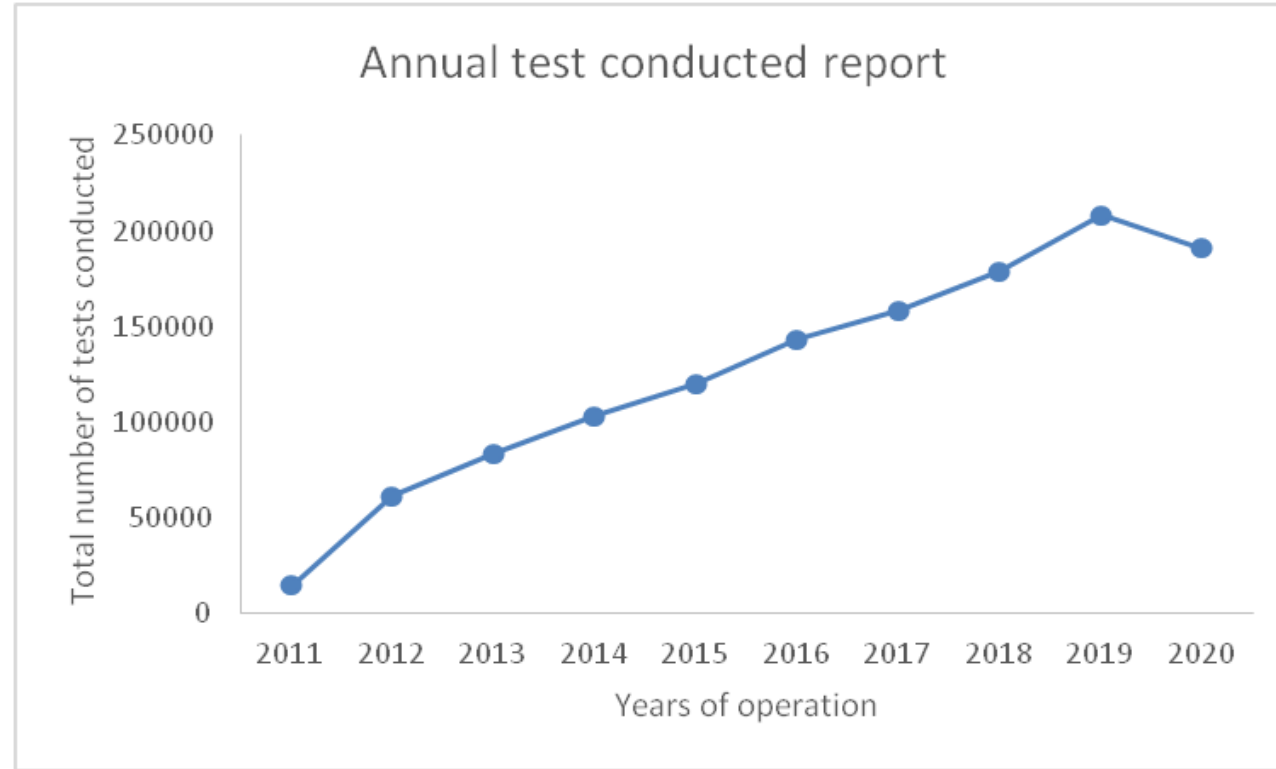
Preanalytical automation



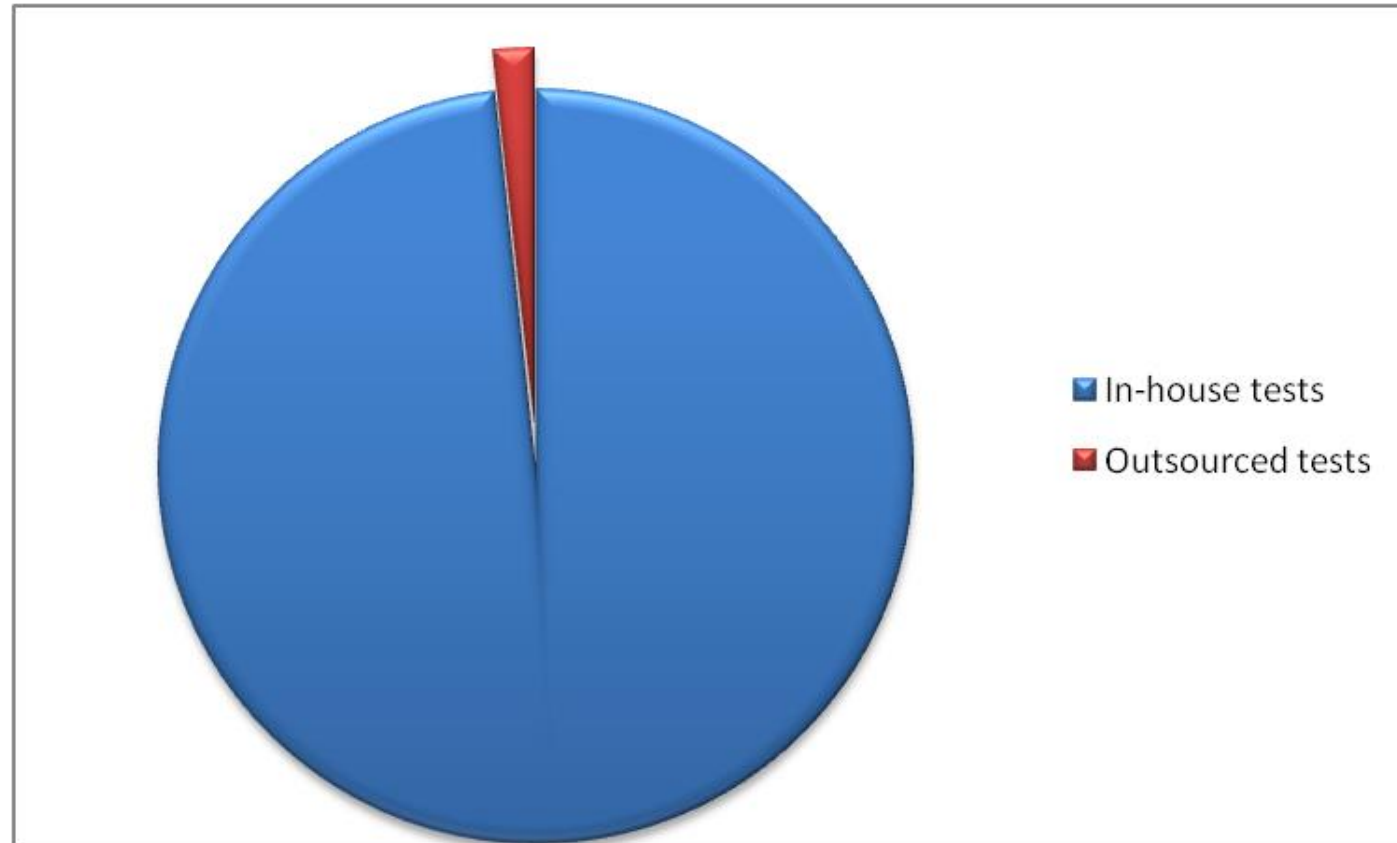
The modules of the advanced machine



Annual growth in test load



In-house versus outsourced tests



Looking forward

- Service
- Academics
- Research

Thank you

