Introduction
Roche hemostasis testing yesterday

Grown and extended instrument portfolio

CoaguChek® XS
PT/INR

Multiplate™ 5.0
Platelet function

Roche in Hemostasis today

cobas h 232
D-Dimer

Light Cycler
FV Leiden
Prothrombin / FII

cobas Clin Chem
D-Dimer / AT
Roche hemostasis testing today

expertise in coagulation now covering all testing areas
cobas coagulation portfolio
Roche is committed to continued investment in coagulation development - 2 new analyzers launched in 2017

- Connectivity to lab automation
- cobas t development channel
Coagulation – connectivity to automation

*Full integration with Serum Work Area, Haematology, Urinalysis and IT*
At a glance
cobas t 411 coagulation analyzer

High performance on 100 samples on board and 140 tests per hour

Continuous workflow, robustness, quality & reliability

High reagent capacity with traceability

Cap piercing for multiple tubes

Screening (PT/APTT/Fib/TCT) and extended screening testing AT / D-Dimer

140 tests per hour

100 samples on-board

70 reagents on-board
cobas t 711 & t 511 coagulation analyzer

At a glance

Cap-piercing
- Multi-vendor compatibility
- Automatic height adjustment

Quality results
- Sample integrity checks
- Automated cuvette checks
- Audit trail

Throughput
~200 - ~400 PT, aPTT/h

Reagent management
- Automatic reconstitution
- Capacity for 57 reagent cassettes

Sample management
- 75 - 225 samples on board
- 5 position rack
- Dedicated STAT port

Consumables
- ~1000 cuvettes
- Integrated, continuous waste management

Software
- Touchscreen functionalities
- Connectivity to Laboratory Automation Systems
- Remote service support functionalities

Planned market entry date for cobas t 511 coagulation analyzer & cobas t 711 coagulation analyzer: Q4/2017, not for USA market
High Processing Power
cobas t 511 & cobas t 711 coagulation analyzers

High throughput and high capacity for demanding testing productivity

~195 PTs/aPTTs per hour

~390 PTs/aPTTs per hour
cobas t 511 & cobas t 711 coagulation analyzers

High processing power supported by large on-board sample capacity
cobas t 511 & cobas t 711 coagulation analyzers
Different sample loading options for high flexibility – random access, batch, STAT and connection to automation
cobas t 711 & cobas t 511 coagulation analyzers

High reagent capacity for increased productivity

57 = 171

up to 600 tests per cassette

up to 36,000 tests

fully-loaded
Seamless Workflow Dynamics
cobas t 711 & t cobas 511 coagulation analyzers

Loading & unloading of samples, reagents and cuvettes at any time
cobas t 711 & cobas t 511 coagulation analyzers
Efficient single cuvette loading: 1000 at a time
cobas t 711 & cobas t 511 coagulation analyzers

*Multiple tube types supported with closed tube sampling*
cobas t 711 & cobas t 511 coagulation analyzers

Automatic tube rotation reduces operator intervention significantly
cobas t 711 & cobas t 511 coagulation analyzers

Automated sample integrity checks to smoothen workflow
cobas t 711 & cobas t 511 coagulation analyzers
e-library via Remote Solutions: always up-to-date and reducing hands-on time

Application data
Calibration
Reference values
Package inserts

cobas t 511
cobas t 711
cobas t 711 & cobas t 511 coagulation analyzers

Cleaning process with $H_2O$: economic value

No special detergent required

Consumption: deionized $H_2O$ mixed with a small proportion (1.3 %) of a cleaner solution
Unique Walk-Away Reagent Management
cobas t 711 & cobas t 511 coagulation analyzers

Convenient reagent cassette concept

In use

Discarded

No risk of contamination

No risk of carry over
cobas t 711 & cobas t 511 coagulation analyzers
Intelligent scheduling of automated reconstitution - maximizing walk away time
Responsive roadmap
<table>
<thead>
<tr>
<th>Launched</th>
<th>End 2018</th>
<th>2019-2021</th>
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<tbody>
<tr>
<td>PT</td>
<td>APCr reagent</td>
<td>FVIII</td>
</tr>
<tr>
<td>APTT (3)</td>
<td>Free Protein S</td>
<td>FIX</td>
</tr>
<tr>
<td>Fib</td>
<td>Protein C Chrom</td>
<td>FII</td>
</tr>
<tr>
<td>TT</td>
<td>Lupus S / Lupus C</td>
<td>FXI</td>
</tr>
<tr>
<td>D-Dimer</td>
<td>FX</td>
<td>FXI</td>
</tr>
<tr>
<td>ATIII</td>
<td>VWF-Ag</td>
<td>FXII</td>
</tr>
<tr>
<td>Anti-Xa</td>
<td>VWF-Act</td>
<td>FXIII</td>
</tr>
</tbody>
</table>
cobas t 711 & t 511 coagulation analyzer

Customer priorities? We did it.

- Sample integrity checks
- On-board sample capacity
- Closed tube sampling
- Throughput
- Reliability
- Reagent handling
Cellavision DC-1
Available Q1 2018

Mark Kilgour, Marketing Manager
DC-1 Basic Specifications

- Peripheral Blood (WBC/RBC/PLT)
- Stand-alone or networked
- PC embedded in housing
- Single slide system
- Small footprint: 280mm W x 400mm D x 380mm H
- Throughput: ~ 6 - 10 slides /h
- 100WBC, RBC and PLT
- Digital Scan Capable
- 100x objective

Add date in slide master | © 2017 Roche