

TECAM

Software for TECO instruments

- Intuitive and easy one click operation
- Database for 1 Mio results
- Worklist management
- Bidirectional ASTM interface to LIMS
- Multi-lingual (Chinese+ Russian included)
- Visualize optical reaction curve
- Powerful filter and patient report engine
- QC with Levey-Jennings and Westgard rules

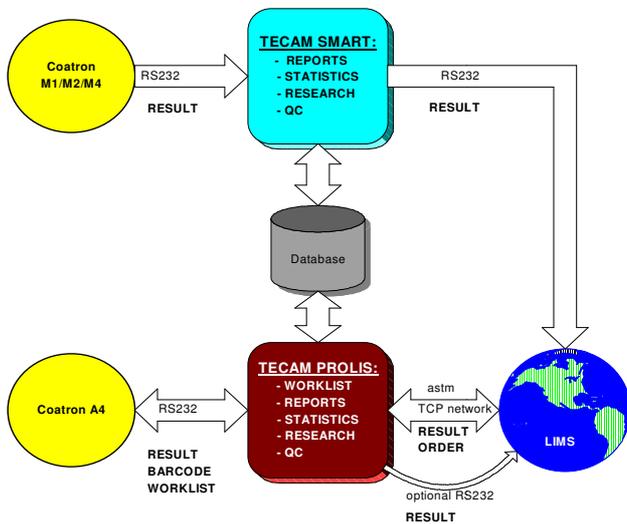


Innovation in Coagulation

Made in Germany

- 80 997 00 TECAM SMART
- 80 999 00 TECAM PRO
- 80 999 01 TECAM PRO LIS
- 80 999 03 TECAM LITE

TECAM is a perfect and user friendly tool to combine laboratory data management, quality control and research purpose in one. The worklist management allows defining orders much faster and flexible then on the instrument itself. Powerful filter functions will help to create any report. Levey-Jennings graph and Westgard analysis are used for quality control monitoring. An ASTM interface is included, which allows to link with the laboratory information system (LIMS) over LAN network or RS232. The TECAM database can be saved central on a server and accessed simultaneously. This will allow to unify different Coatron analyser into one database.



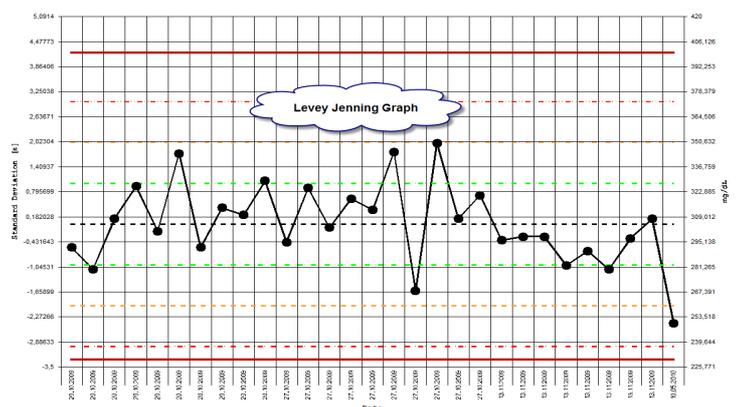
POS.	PID.	Name	PT	DFIB	APTT	FIB	AT	TT	D-Dimer
<input type="checkbox"/>	35	QC							
<input checked="" type="checkbox"/>	01	20100001	Patient,P01	PT	APTT				
<input checked="" type="checkbox"/>	02	20100001	Patient,P01	PT	APTT	FIB			
<input checked="" type="checkbox"/>	03	20100002	Patient,P02	PT	APTT		AT		D-Dime
<input checked="" type="checkbox"/>	04	20100003	Patient,P03	PT	APTT				
<input checked="" type="checkbox"/>	05	20100004	Patient,P04	PT	APTT				
<input checked="" type="checkbox"/>	06	20100005	Patient,P05	PT	APTT	FIB	AT	TT	D-Di
<input checked="" type="checkbox"/>	07	20100006	Patient,P06	PT	APTT				D-Di
<input type="checkbox"/>	08								
<input type="checkbox"/>	09								
<input type="checkbox"/>	10								
<input type="checkbox"/>	11								
<input type="checkbox"/>	12								
<input type="checkbox"/>	13								
<input type="checkbox"/>	14								
<input type="checkbox"/>	15								
<input type="checkbox"/>	16								
<input type="checkbox"/>	17								



Create worklists with a view clicks or by retrieving the LIMS.

Test	Date	Warning	Result	Range
APTT	22.07.2004 14:29:16		27,7 s	[26 - 38]
AT	22.07.2004 14:26:09	*	108,8 %	[70 - 120]
F10	22.07.2004 16:50:57		85 %	[70 - 120]
FIB	22.07.2004 14:26:09	A	815 mg/dL	[150 - 350]
PT	22.07.2004 14:26:08	A	12,3 s 75,8 % 1,31 INR	[10 - 15] [70 - 120] [0,85 - 1,15]

Create reports just with a click. Powerful filter functions will help to select results (e.g. day report, report last 30 results of patient)



TECAM provides various interfaces and protocols to connect to instruments and laboratory information systems.

The screenshot shows three main components: a table of incoming results, a graph of optical reaction curves, and a detailed cumulative report for a patient.

PID.	Name	Test	Result
00752004	Xanthous	APTT	22,3 s
00752004	Xanthous	AT	104 %
00752004	Xanthous	FIB	348 mg/dL
00752004	Xanthous	PT	1,022INR
00752004	Xanthous	F10	96,7 %

Receive results from instrument including the reaction curve. The results can be validate before print, save or send to host.

Create statistical reports with one click. Levey Jennings Graph and Westgard analysis can be used not only for quality control, but also to visualize a patient response line (e.g. INR of last 30 days)

Software for TECO instruments

Recommended system requirements:

Microsoft XP, CPU 1.5 GHZ, 1GB RAM, Graphic 1280x1024.
Tested for Windows™ XP/Vista/7.

Support instruments

Pro: Coatron A4 & 1800, Helena AC4 DiaMed CDX,
Smart: Coatron M1, M2 and M4, Techrom IV, Dimex Jr

Interfaces

- RS232 to instrument: Receive results+reaction curve and send worklist.
- RS232 to LIS: Send results to host
- RJ45 to LIS: Send results & receive orders from network (ASTM E1394).

Intuitive handling

One click principle for data collection, filtering, reporting or QC

Multi lingual

English, Spanish, Italian, Portuguese, Russian, Greek, Chinese, further languages possible.

Database

Manage over 1Mio results and patient information in one database.
(Data fields for: Date, patient (Id, name, sex, birth, bed, station), test, result(s,%+INR), reaction curve, Flags, error, comment, reagent-LOT, patient-memo, analyser SN., ranges (QC + normal)

Complete Traceability by one click

Review for Date, PID, Test, and QC by one click

Reporting

Make cumulative reports by one click. Use multi-filter or presets to generate specific reports (e.g. results of patient of all PT within the last 30 days). Report design can be changed to specific format

Worklist management

Create, load, save, repeat ,receive and send. Positive patient identification by barcode validation. USB barcode scanner supported. Up to 3 different profiles. Preset for up to 6 different QC samples.

Flexible multi filter

Combine freely every data field e.g. PID=1234+ Date=today + Test=FIB + etc)
Use filter presets like "QC, Today; Last 7, 15, 30, 180, 360 days; etc."

Statistical analyse for QC or patients

Filter any data (e.g. Patient XYZ, only PT, last 30days), and visualize them with Levey Jenning diagram with one click. Analyse data with Westgard Multirules. Define QC or Patient ranges.

Research

Curve analysis, Tecmoni transmission, Export data, grids, charts, curves to PDF, XLS, TXT or HTML file

Tecmoni transmission

This tools allows to visualize all optic channels in real-time. It is perfect for enhanced curve analysis and used in many research laboratories. With Tecmoni the reaction curves can also sent back to instrument. Especially for developing new test application and instrument firmware, this will save a lot of reagent and time.

Security

Operator can login as Administrator or user in order to control and manage the database with different access rights

Internet Online Update

Compare of licenses	Trial	Smart	Lite	Pro	Prolis
RS 232 interface to instruments	A4	M1-4	A4	A4	A4
Receive result from analyser	✓	✓	✓	✓	✓
Receive optical reaction curve	✓	✓	✗	✓	✓
Receive barcode from analyser	✗	✗	✗	✓	✓
Save result to database	5x	✓	✓	✓	✓
Print cumulative report	✗	✓	✓	✓	✓
Send result to LIS over RS232 (Tecam protocol)	1x	✓	✓	✓	✓
Send result to LIS over TCP/IP (ASTM E1394)	1x	✗	✗	✗	✓
Receive Orders from LIS (TCP/IP - ASTM E1394)	1x	✗	✗	✗	✓
Worklist menu and management	1x	✗	✓	✓	✓
Result Database (filter,sort,group,report)	✓	✓	✗	✓	✓
Patient database management)	✓	✓	✓	✓	✓
Statistical analyse (Westgard,Levey Jennings)	✓	✓	✗	✓	✓
Export data to PDF,XLS, HTML	✓	✓	✗	✓	✓
Multi language selection	✓	✓	✓	✓	✓
Save & Load instrument configuration to master file	✗	✗	✗	✓	✓
Onlineupdate	✓	✓	✓	✓	✓
Online help	✓	✓	✓	✓	✓
integrated TECMONI	✓	✓	✗	✓	✓
Security options (database access)	✓	✓	✓	✓	✓



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