

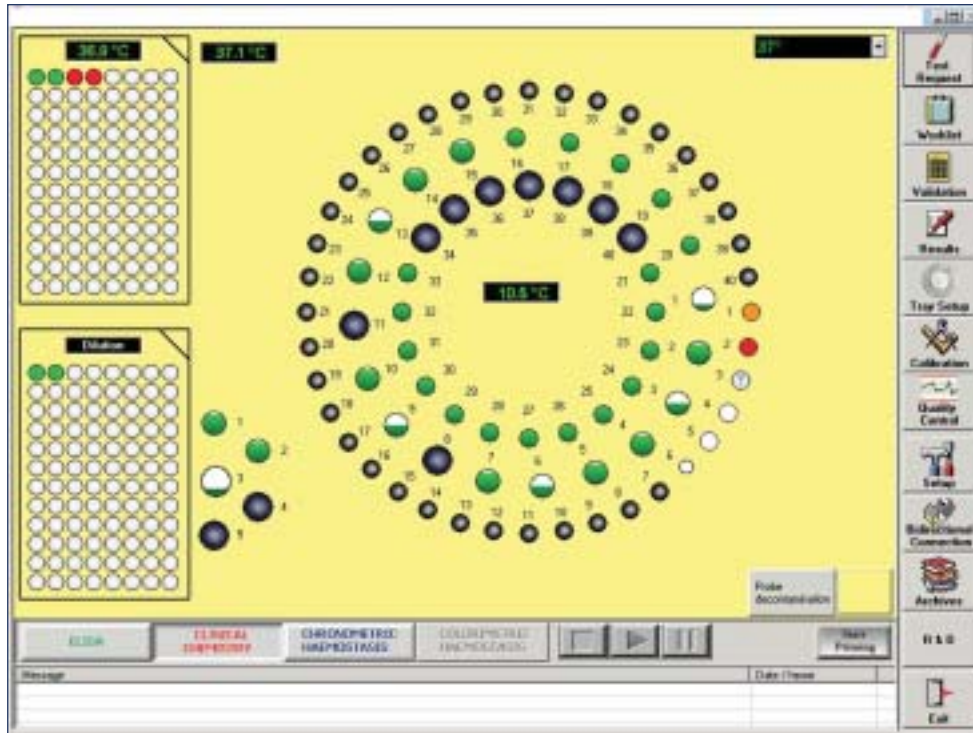


Chemistry, ELISA, Coagulation system

- True multi-disciplinary system
- Continuous loading of samples
- Automatic re-run, pre- and post-dilution
- Low-cost standard 96-well microplate as reaction support
- Intuitive user-interface using Windows
- Dynamic work list with automatic treatment of orphan and delayed samples
- Run different ELISA methods simultaneously



TRILGY



Routine Operation Screen

Background

The Trilgy is a true multidisciplinary system. Use of a patented Universal Mobile Optical System enables the system to perform:

Clinical Chemistry with ISE and spectrophotometric scanning.

ELISA for Immunochemistry, TDM/DOA, Hemostasis.

Coagulation by chromometric or chromogenic methods.

Operation

The Trilgy is the ultimate flexible instrument to make handling of varied sample types easy and straightforward. Everything is designed to be easy for the operator. In order for the system to keep constantly running, it uses reagent volume management with indication of remaining tests. There are also alarms for empty and full

containers so reagents never run out, or waste overflows.

In order to keep running costs and sample volumes low, the Trilgy system uses a standard 96-well microplate as reaction support.



Inside view of the Trilgy

There are 40 positions for reagents, controls, calibrators and diluents. There is a platform for 5 additional reagents at room temperature. The dead volume is less than 80 microlitres, so reagent waste is

minimised. When running ELISA methods, the system allows different methods to be run simultaneously. There is also onboard management of compatible ELISA methods.

Sample Handling

The Trilgy can handle up to 40 primary sample tubes at a time and in order to preserve samples, the programmable carousel can be cooled. Continuous loading of samples is possible. Samples can be programmed to automatically re-run and it can be set with pre and post-dilutions. Should urgent (STAT) samples arrive, then they can easily be added to the system during operation.

The samples are analysed in a random-access fashion. The progress of sample handling is displayed through a dynamic work list with automatic treatment of orphan and delayed samples.

Work List

Domain: Clinical chemistry Active Delayed Orphans Reasons:

Sample ID	Name	Position	Method	Cup	Test status	Date / Time	Dilution
standard	ISB		09 Calibration Na-K-Cl		Queued	04/25/2003 11:45:50	
030425045	Smith, John		05 Cholesterol		Queued	04/25/2003 11:43:49	
030425045	Smith, John		07 Triglycerides		Queued	04/25/2003 11:43:50	1/5
030425045	Smith, John		01 Glucose		Queued	04/25/2003 11:43:51	
030425045	Smith, John		03 Creatinine		Queued	04/25/2003 11:43:52	
030425045	Smith, John		04 Uric Acid		Queued	04/25/2003 11:43:53	
030425-001			02 Urea UV		Queued	04/25/2003 11:44:29	
030425-001			03 Creatinine		Queued	04/25/2003 11:44:30	
030425-001			04 Uric Acid		Queued	04/25/2003 11:44:31	
030425-001			05 Cholesterol		Queued	04/25/2003 11:44:32	
030425-001			07 Triglycerides		Queued	04/25/2003 11:44:33	
030425-002			02 Urea UV		Queued	04/25/2003 11:44:34	
030425-002			03 Creatinine		Queued	04/25/2003 11:44:35	
030425-002			04 Uric Acid		Queued	04/25/2003 11:44:36	
030425-002			05 Cholesterol		Queued	04/25/2003 11:44:37	

Print Delete Close Preview 1/7 52 test(s) in list Initialize

System Specifications

Reagents are delivered through a high precision probe with a range of 10 to 300 microlitres in 1 microlitre increments. Excellent precision is demonstrated with a CV less than 0.7% at 300 μ L.

Samples are pipetted using a low volume probe that increments in 0.1 microlitres from 1 to 100 microlitres. Excellent precision is demonstrated with a CV less than 1.2% at 2 μ L.

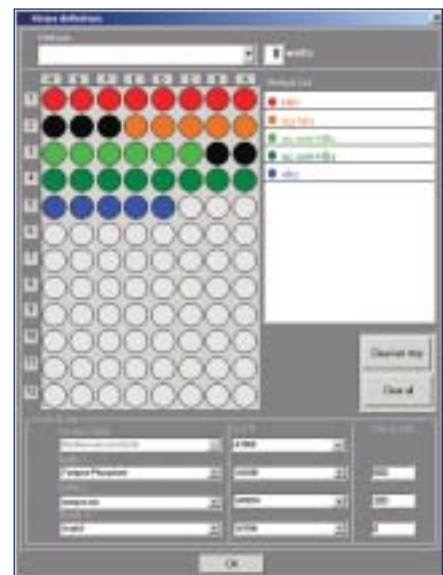
System throughput for Clinical Chemistry is 190 tests/hour rising to 280 tests/hour when using the ISE. In coagulation mode the system can run up to 70 PTs per hour.

System Software

The software on the Trilogy is easy for the operator to understand and use. The operating system uses an intuitive user Interface under Windows® 2000. Worklists can easily be handled using a bi-directional connection and there are also network connections built-in.

For calculation of results the software offers a comprehensive range of linear and non-linear calibrations. Archiving and editing of calibration graphs is also possible.

A full onboard quality control package enables the monitoring of all results. For patient record storage there is unlimited archiving and all operations on the system are traceable. Access codes maintain system security.



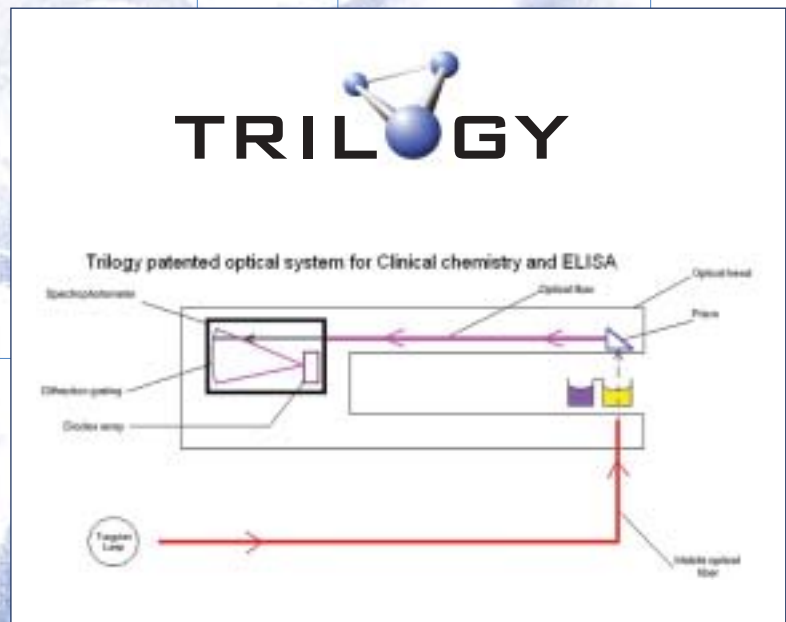
ELISA Screen

This is a preliminary brochure pending confirmation of specifications

Applications

The Trilogy comes pre-loaded with a number of chemistries as well as a number of open channels. The list of chemistries provided are:

- Albumin
- Alkaline Phosphatase
- ALT (SGPT)
- Ammonia
- Amylase
- AST (SGOT)
- Bile acids
- Bilirubin, Direct
- Bilirubin, Total
- BUN (Urea)
- Calcium
- Cholesterol
- Creatine Kinase
- CO₂
- Cortisol
- Creatinine
- γ GT
- Glucose
- Lipase
- Iron
- Lactate Dehydrogenase
- Magnesium
- Phosphorus
- T₄
- Total Protein
- Triglyceride
- Uric acid
- Sodium
- Potassium
- Chloride



This list is constantly evolving.

Please check our website to see the current application list.

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