

CLINICAL CHEMISTRY | HAEMOSTASIS | INFECTIOUS DISEASE | POINT OF CARE

Destiny Max™

Trinity Biotech introduces the latest high throughput haemostasis analyzer



Trinity Biotech introduces the latest high throughput haemostasis analyzer. It offers the best combination of existing and new technologies to provide operators with unique features in a flexible, easy to use system. Destiny Max is the only instrument offering the choice of optical or micro-mechanical clot detection with reliable cap piercing and result standardisation. The operational software is a state-of-the art graphic user-interface. This provides an intuitive, multitasking functionality and flexibility, enabling convenient operation with continuous sample processing.

In combination with Destiny Max, Trinity Biotech provides a reagent portfolio as a comprehensive solution to your choice in Haemostasis.

Speed and Throughput

- More than 300 tests/hour
 - 315 Tests/hour PT
 - 270 Tests/hour PT/APTT
 - 195 Tests/hour PT/APTT/FIB
- 100 samples loading capacity
- Maximised walk away time

Optimised Performance

- Cap Piercing – peace of mind
- Result standardisation with TriniVerical
- Multiple measuring wavelengths
- Complete traceability

Ease of Use and Flexibility

- Ability to choose mechanical or optical clot detection methods
- Continuous loading operation
- Intuitive icon software
- Minimal maintenance



Performance and Technology

Destiny Max gives you the flexibility to choose mechanical or optical clotting methods

Multiple Measuring Technologies

- Chronometric, Chromogenic, Immunoturbidimetric
- Wavelengths 340nm, 405nm, 635nm and 705nm
- Multiple simultaneous wavelength detection
- Reliable, accurate results on compromised samples – icteric, haemolytic and lipemic using Mechanical Clot detection



Multifunctional Cuvette Plate

Destiny Max offers reliable and convenient cap piercing

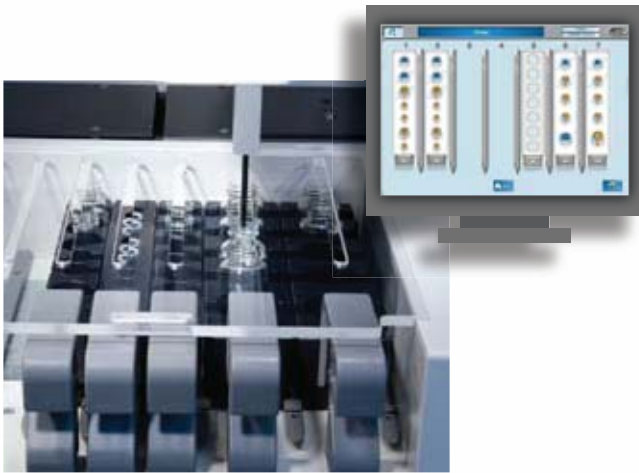
Cap piercing - peace of mind solution

Samples are cap pierced once and the appropriate test volume dispensed into an aliquot well in the cuvette plate. This aliquot is then used to process all required tests with the following benefits:

- Results are independent of the type of tube and makes validation easier and faster
- Open and closed tubes combined on the same rack
- Convenient for paediatric and eppendorf tubes
- Guaranteed accuracy of sample volume



Versatile Cap Piercing



Comprehensive reagent management

- 55 on board reagents, with 50 in cooling area and 8 stirred positions
- Real continuous loading
- Barcoding of Trinity reagents with lot tracking
- Monitoring of reagent volume, expiry and on board stability
- Multiple vials of same reagent for high workload testing
- Multiple user definable positions for QC in reagent area
- Liquid level sensing and low dead volume with inclined racks
- Security of racks locked when in use with access status light display



Total Sample management

- 100 samples in continuous loading
- True Positive Patient ID of samples
- Non barcoded sample recognition for manual ID input
- Liquid level sensing of open and closed tubes
- Security of racks locked when in use with access status light display

Sample Loading - 'Just load and go'

- Multiple sample tube types on same rack, open or closed can be loaded randomly
- STAT prioritisation of all tubes any time and any position

Results Management

- Real time display of results and tests in process
- User definable rerun of tests with auto dilution
- User definable reflex testing for repeats of results with specific flags
- Results auto validation with multiple rules for transmission to LIS
- Download of patient results, QC results and flag codes to LIS

Standardisation across multiple Platforms

- Normalization across multiple platforms: using 'TriniVerical' to standardise PT/PTT results

Result Integrity Checking

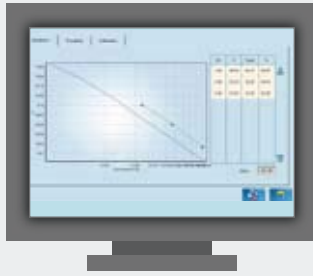
- Unique feature of Blue Dye Tracking ensures verification of accurate reagents and sample delivery for PT and APTT results using Optical detection method.



Software



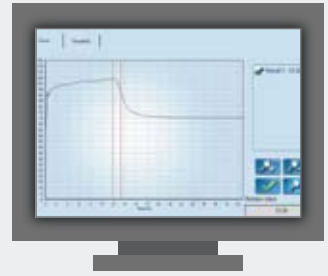
QC – Levy Jennings



Factor Parallelism



Calibrations



Optical Curve Display

Software Specification

- ICON driven software using 17" touch screen monitor
- Logical and intuitive with one touch access
- On board help menu for trouble shooting
- Easy to learn and train multi tasking operators

Comprehensive Quality Assurance

- User definable settings for QC and calibration
- Levy Jennings graphs
- QC management and display of QC status at all times
- Easy implementation of Westgard rules
- QC download to LIS
- User-definable flagging of results
- Factor Parallelism

Software Security

- Password controlled multi level security access

Optical curve display

- Available for all results with optical detection
- Result traceability for all results

Complete Traceability

- Patient results, QC, calibration curve results and maintenance

Realtime Status Displays

- Alarm list
- LIS host status
- QC Status and validation
- System status monitoring

Consumables and Maintenance



Minimal Consumables

- Only 2 consumables maintained, cuvettes and rinse solution in continuous loading
- Low volume for controls and calibrators using $\frac{1}{4}$ volume mechanical mode
- Multifunctional cuvette plate eliminates need for additional consumables
- Cuvettes can be used on both Destiny Max and Destiny Plus

Minimal Maintenance

- Easy automated maintenance
 - Daily < 5min
 - Weekly < 15min
- Safe and easy unloading and disposal of waste
- Maintenance logs and automated decontamination
- Remote diagnostics

INSTRUMENT SPECIFICATION

Mechanical clotting assays	Yes, 8 channels	Reflex testing	Yes – user definable
Optical clotting assays	Yes, 8 channels	Assay calibration	During routine processing
Chromogenic assays	Yes	Factor parallelism	Yes
Immunoturbidimetric assays	Yes	Multiple dilutions / sample	Yes
Wavelengths	340nm, 405nm, 635nm, 705nm	QC program	Yes – Levy Jennings charts and monitoring for Westgard rule violations
Closed tube sampling	Yes – cap piercing	Automatic re-dilution	Yes – user definable
Continuous loading	Yes	Bidirectional interface	Yes – ASTM protocol
Sample loading capacity	100 (10 racks of 10)	Host query function	Yes
Loading capacity reagents	52-55 rack system (refrigerated)	Bi-directional interface	Yes
Loading capacity cuvettes	>1000 or 5x5 cuvette stacks	Operating System	MS Windows Vista OS
STAT sample processing	Any time, any position	PC / Monitor	External 17" touch screen
Calibrator/QC processing	Any time	Remote diagnostics	Yes (PC integrated modem)
Sample and reagent ID barcode	Yes	Dimensions and weight	Bench top design 110 kg 68x155x75cm (HxWxD),
Throughput		Power Supply Voltage	100–240 VAC; 50 Hz/60 Hz
PT	up to 315 Tests/hour	Power consumption	250 VA
PT/PTT	up to 270 Tests/hour	Noise levels	< 78 dB
PT/PTT/FIB	up to 195 Tests/hour	Operating temperature	10–29°C
Disposables	DFS (3x3.5li) Rinse solution Cuvettes Plates (set of 100 plates)	Patient sample results Database	6 months and backup to external media

TRINITY BIOTECH. A NEW SOLUTION FOR HAEMOSTASIS.



DestinyMax™



DestinyPlus™



Reagents

To explore the Trinity Biotech solution that is right for your laboratory, please contact us now or visit our website at www.trinitybiotech.com