

# AIA<sup>®</sup>-360

AUTOMATED IMMUNOASSAY ANALYZER



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### **Compact and Lightweight for Convenient Placement**

- With a footprint of 16 X 16 X 20 inches and a weight of approximately 61 lbs, the AIA<sup>®</sup>-360 requires minimal counter space.
- Its compact design is ideal for physician office laboratories, work stations for small hospitals, cardiac and specialty testing, as well as back-up to larger TOSOH analyzers.

### **Fast and Flexible for Critical Patient Results**

- With a throughput of 36 tests per hour, the AIA<sup>®</sup>-360 reports its first result in approximately 18 minutes.
- The AIA<sup>®</sup>-360 utilizes the same 10 minute incubation, ST reagents as TOSOH's AIA-600II, AIA-Nex-IA, and AIA-1800.
- With Tosoh's expanding test menu including cardiac markers, tumor markers, thyroid and reproductive hormones, anemia assays and more, the system can run any test, in any combination, in any order, at any time.

### **Easy to Use, Easy to Load, Easy to Operate**

- The AIA<sup>®</sup>-360 is fully automated with continuous random access. This allows the user the option of loading the entire carousel or adding the samples as needed.
- The touch screen user interface provides easy access to screens associated with daily operations, quality control monitoring, patient sample ID, calibration, and maintenance.
- Automated daily maintenance; no weekly or monthly maintenance required.

### **Reliable for Patient Result Integrity**

- The AIA<sup>®</sup>-360 uses a bar coded system to identify patient samples as well as a positive test cup ID to reduce user errors.
- Sample level sensing notifies the user of a short sample detection.
- The system is also equipped with clot detection to maintain result integrity and a fixed probe to minimize expendables.

## SYSTEM FEATURES

### ADVANCED SAMPLE CAROUSEL

- The sample carousel allows up to 25 patient samples and 25 test cups at one time.
- The operator may load bar-coded primary tubes or sample cups directly on the system.
- Additional samples and tests can be added at any time without interrupting sample processing.
- Once samples and test cups are loaded, the operator presses START and walks away.
- Up to four assays per specimen can be loaded.

### BARCODE CAPABILITIES

- Samples can be bar-coded for accurate patient identification.
- The AIA<sup>®</sup>-360 identifies the analytes using an on-board camera.
- With barcoded specimens, manual worklist entry is eliminated.



### ON-BOARD PRINTER

- The AIA<sup>®</sup>-360 prints patient results in real-time for fast and easy review.

### USER FRIENDLY INTERFACE

- The AIA<sup>®</sup>-360's icon driven touch screen is intuitive and allows for easy navigation.
- Assay monitoring allows the user to check sample progress and assay performance.
- Sample ID's can be manually programmed if non-barcoded specimens are utilized.
- The system can be bi-directionally interfaced to any LIS system.
- Up to 300 assay results can be saved on the AIA<sup>®</sup>-360.

### CONVENIENT REAGENT ACCESS

- The common reagents are easily accessible from the removable reagent tray.
- Reagent level sensing notifies the user when reagents are running low or when the waste needs to be emptied.



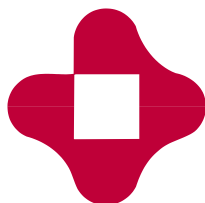
*Actual Test Cup size is approximately 2cm x 1cm.*

## **Tosoh's AIA<sup>®</sup> Reagent Test Cup Technology**

- Produce accurate and consistent results with unit dose test cups requiring no on-board refrigeration, no pre-mixing, and no pre-measuring.
- Realize time and cost savings by eliminating preparation errors and waste.
- Standardize your inventory management with a complete test menu available across all AIA<sup>®</sup> platforms.

## SPECIFICATIONS

<b>Method</b>	Fluorescence Enzyme Immunoassay
<b>Detection</b>	LED illuminant, non flow cell/TOP-TOP photometry method
<b>Throughput</b>	36 tests per hour
<b>Reaction time</b>	Antigen antibody reaction: 10 minutes
<b>Sample loading Capacity</b>	25 samples maximum
<b>Reagent loading Capacity</b>	25 tests maximum
<b>Test for each sample</b>	4 tests per sample
<b>Sampling</b>	Fixed Probe with Clot detection function
<b>Sample Vessel</b>	Primary Tube 13 x 75/100mm, 16 × 75/100mm 2 mL sample cup
<b>Barcode</b>	Code39, Code128, ITF, NW-7
<b>Interface</b>	RS232C
<b>Size/Weight</b>	16”w x 16”d x 21”h/ 61 lbs
<b>Power source</b>	AC100 240VAC-50/60Hz 250VA
<b>Environment</b>	Temperature: 15-30°C, Relative Humidity 40-80%



**TOSOH**