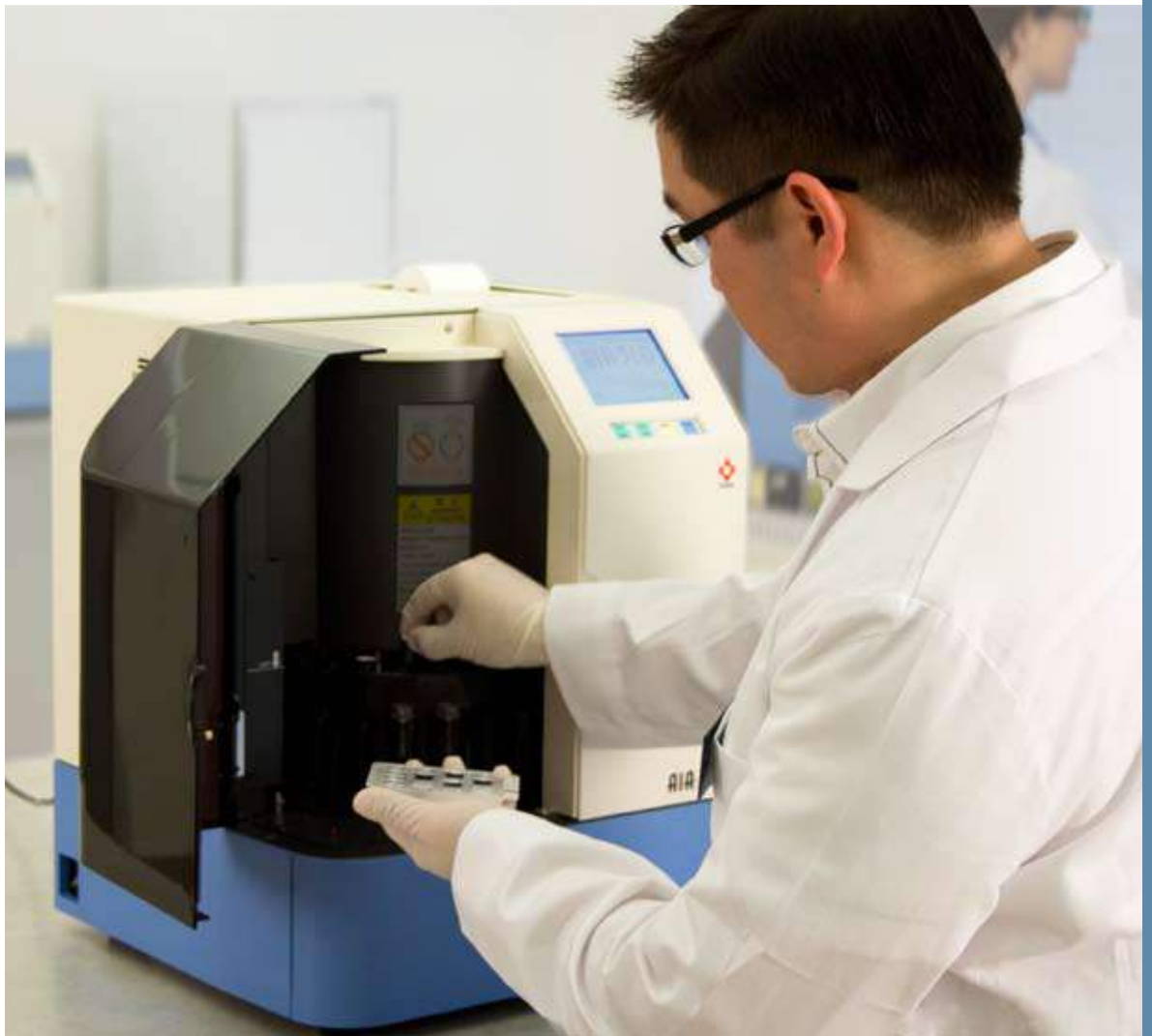




# AIA<sup>®</sup>-360

AUTOMATED ENZYME IMMUNOASSAY ANALYZER



AIA<sup>®</sup>-360 AUTOMATED IMMUNOASSAY ANALYZER

**COMPACT • EFFICIENT • RELIABLE • USER-FRIENDLY**

**TOSOH BIOSCIENCE**

# AIA-360<sup>®</sup>

## AUTOMATED IMMUNOASSAY ANALYZER

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### Compact Immunoassay Analyzer for Flexible Testing

- Throughput of 36 Results per Hour
- Easy to Use
- STAT Assay Results in ~ 20 Minutes
- Random Access
- Compact - 16" w x 16" d x 21" h / 61 lbs
- Full Test Menu of Short Time (ST) Assays
- Fits Multiple Laboratory Environments:
  - Small hospitals
  - Physician Office Laboratories
  - Cardiac and Specialty Testing
  - Reliable Back-up to Larger Tosoh Analyzers



# SYSTEM ADVANTAGES

## User-Friendly Interface

- Icon driven touch screen is intuitive and is easy to navigate.
- Assay monitoring enables 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 interfaced to any LIS system.
- Up to 300 assay results can be saved on the AIA-360.



## Fast and Accurate Results

- Prints patient results in real-time for fast and easy review.
- First result in ~ 20 minutes.
- Bar-code sample ID ensures accurate patient identification without manual worklist entry.
- Analyte is identified via an on-board camera.

## Advanced Sample Carousel

- The AIA-360 sample carousel holds 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.
- Up to four assays per specimen can be loaded.
- 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.

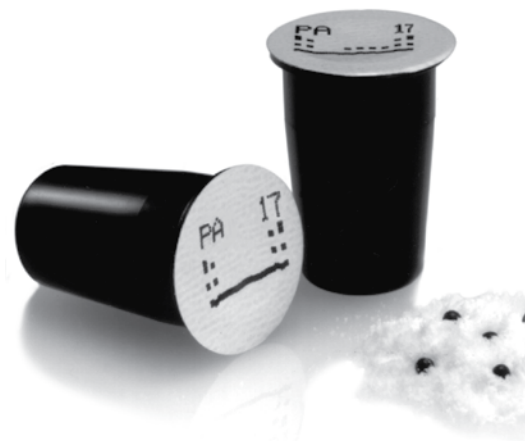
## Convenient Reagent Access

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

# REAGENT TECHNOLOGY

## Tosoh's AIA Reagent Test Cup Technology

- Unit Dose Test Cup reagent technology requires no on-board refrigeration, no pre-mixing and no pre-measuring.
- Saves time and cost by eliminating errors and waste.
- Reagents have a one year shelf life from date of manufacture.
- 90-day calibration curve stability for most assays.
- Complete test menu includes: Cardiac, Thyroid, Reproductive, Tumor, Metabolic, Anemia and more.



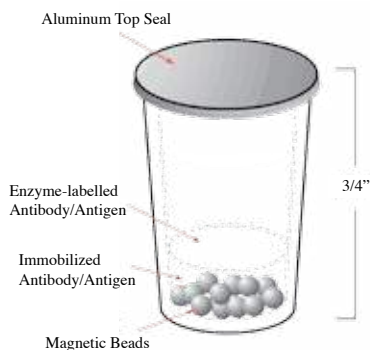
# Specifications

<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 x 75/100mm (diameter x length) 2 mL sample cup
<b>Barcode</b>	Code39, Code128, ITF, NW-7 and JAN
<b>Interface</b>	RS232C
<b>Size/Weight</b>	16(W) x 16(D) x 21(H) Inches / 61 lbs. 400(W) x 400(D) x 520(H) mm / 29 kg
<b>Power source</b>	AC100-240V. 50/60Hz 250VA
<b>Environment</b>	Temperature: 15-30°C, Relative Humidity 40-80%

## Result Printout

```
OP:SHANTI 05/11/04 08:59
SampleID:100010
Samp.Pos:1
Analyte :#FER Lot:11 :1
Result :79.2 ng/ml
Flag :
Analyte :#bHCG Lot:33 :2
Result :289.6 mIU/ml
Flag :
```

## Test Cup Diagram



## Reagent Tray



**TOSOH BIOSCIENCE**

TOSOH

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