AUTOMATED ENZYME IMMUNOASSAY ANALYZER

AIA®-360

AUTOMATED IMMUNOASSAY ANALYZER

COMPACT • EFFICIENT • RELIABLE • USER-FRIENDLY

TOSOH BIOSCIENCE
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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Method</strong></td>
<td>Fluorescence Enzyme Immunoassay</td>
</tr>
<tr>
<td><strong>Detection</strong></td>
<td>LED illuminant, non flow cell/TOP-TOP photometry method</td>
</tr>
<tr>
<td><strong>Throughput</strong></td>
<td>36 tests per hour</td>
</tr>
<tr>
<td><strong>Reaction time</strong></td>
<td>Antigen antibody reaction: 10 minutes</td>
</tr>
<tr>
<td><strong>Sample loading Capacity</strong></td>
<td>25 samples maximum</td>
</tr>
<tr>
<td><strong>Reagent loading Capacity</strong></td>
<td>25 tests maximum</td>
</tr>
<tr>
<td><strong>Test for each sample</strong></td>
<td>4 tests per sample</td>
</tr>
<tr>
<td><strong>Sampling</strong></td>
<td>Fixed Probe with Clot detection function</td>
</tr>
<tr>
<td><strong>Sample Vessel</strong></td>
<td>Primary Tube 13 x 75/100mm, 16 x 75/100mm (diameter x length)</td>
</tr>
<tr>
<td></td>
<td>2 mL sample cup</td>
</tr>
<tr>
<td><strong>Barcode</strong></td>
<td>Code39, Code128, ITF, NW-7 and JAN</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>RS232C</td>
</tr>
<tr>
<td><strong>Size/Weight</strong></td>
<td>16(W) x 16(D) x 21(H) inches / 61 lbs.</td>
</tr>
<tr>
<td></td>
<td>400(W) x 400(D) x 520(H) mm / 29 kg</td>
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<tr>
<td><strong>Power source</strong></td>
<td>AC100-240V. 50/60Hz 250VA</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td>Temperature: 15-30°C, Relative Humidity 40-80%</td>
</tr>
</tbody>
</table>

### Test Cup Diagram

- Aluminum Top Seal
- Enzyme-labelled Antibody/Antigen
- Immobilized Antibody/Antigen
- Magnetic Beads

### Reagent Tray

![Reagent Tray Diagram]

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