



AIA-900

AUTOMATED ENZYME IMMUNOASSAY ANALYZER

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3 configurations providing expansion capabilities, adapted to our activity.



AIA-900

- Panel or single assay
- Up to 5 different tests per tube
- "auto mode": place the samples, the AIA-PACKS & press START

Dimensions: W 890 mm, D 665 mm, H 642 mm
Weight: 122.5 kg

AIA-900 + 9tray Sorter

- 180 tests on board
- Up to 9 different tests per tube
- Smooth switch from "auto mode" to "sorter mode"



Dimensions: W 1290 mm, D 665 mm, H 642 mm
Weight: 163 kg



AIA-900 + 19tray Sorter

- 380 tests on board
- Up to 19 different tests per tube
- Fully automated with "sorter mode"

Dimensions: W 1520 mm, D 665 mm, H 1247 mm
Weight: 273 kg

Turbidimetry

Reliability

- Utilises the proven AIA-PACK concept
- Positive identification of samples and reagents
- Fibrin sample clot, air bubble detection and sample level sensing

Operational Simplicity

- Start up in less than 6 minutes
- Limited maintenance

Flexibility

- Same reagents used across the entire AIA franchise
- 3 different configurations



The AIA-PACK. A unique concept.

- Lyophilised reagents allow long AIA-PACK shelf-life*
- 90 days calibration stability
- Most of the analytes require a 10 minute incubation time, delivering the first result within 20 minutes
- Low risk for contamination or carry-over between samples and reagents:
 - 1 AIA-PACK = 1 test
 - The complete assay (incubation, wash and detection) is carried out in the AIA-PACK
- Disposable pipette tips for samples and reagents
- The single cup per test combined with low volume consumption of reagents reflects Tosoh's environmental awareness

* 12-months from date of manufacture



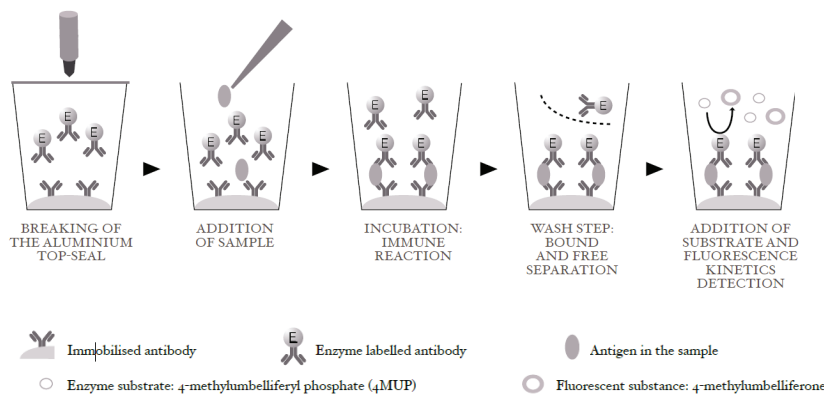


A ready-to-use "all-in-one" test cup

ALUMINIUM TOP SEAL

LYOPHILISED CONJUGATE

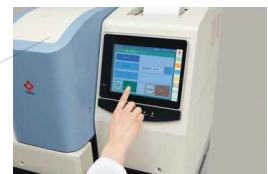
MAGNETIC BEADS COATED WITH IMMOBILISED ANTIBODIES/ANTIGENS



Throughput : up to 90 tests/hour.

Reliability

- Capacitive sample level sensing
- Positive identification of primary tubes
- Absence of carry-over due to the use of disposable pipette tips
- Well established unique AIA-PACK concept



- User-friendly operation
- Intuitive touch screen
 - Automatic storage of all data on USB memory
 - Bidirectional interface to LIS and external QC package
 - Limited maintenance
 - Start-up in less than 6 minutes



"auto mode"



"sorter mode"

Continuous operation Walk away capability

- Continuous loading of samples, reagents & consumables during operation
- Automated pre-treatment of samples
- Sample loading capacity: 100 (for 9tray & 19tray sorters)
- 2 calibration curves simultaneously active per analyte
- STAT sample rack recognition

AIA-PACK Test Menu

Thyroid

TSH 3rd generation
FT4
FT3
T4
T3
Anti-TPO Ab
Anti-Tg Ab

Tumour Markers

AFP
CEA
PSA
Uncomplexed PSA
PAP
OVCA
SLa
27.29
β2-Microglobulin

Fertility

βHCG
HCG
Estradiol
FSH
LH
Progesterone
Prolactin
Testosterone
DHEA-S

Metabolism

Intact PTH
Cortisol
GHG
ACTH

Cardiac

Troponin I 3rd generation
CK-MB
Myoglobin

INFECTIOUS

HbsAg2
HbsAb
HbeAg
HbeAb
HbcAb

Diabetes

C-Peptide
Insulin

Anaemia

Ferritin
Folate
RBC folate
Vitamin B12

Kidney

Cystatin C

Allergy

IgE



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