



Automated Immunoassay Analysers

AIA[®]-900

The Flexible Grower

A reliable solution for the growing organisation

**EASY-TO-USE,
COST-EFFICIENT,
AND RELIABLE**



AIA-900 Automated Immunoassay Analyser • Better diagnostics for better living

TOSOH BIOSCIENCE

EASY-TO-USE, HIGH-QUALITY ANALYSER



IS IT HARD TO WORK WITH THE AIA-900 ANALYSER?

- **The instrument is always ready and extremely easy to operate.** When a sample arrives, put in the patient tube, put in the reagent cups - in the 9- and 19-tray model they are already loaded - and press start.
- **Any sample dilution or preparation**, in case necessary, is handled on board of the analyser.
- **The first result is produced in just 18 minutes**, with a capacity of 90 results per hour.
- Samples and assays can be loaded **without interrupting the running processing.**

DOES THE AIA-900 ANALYSER DELIVER QUALITY RESULTS?

- The AIA-900 stands for **highly reproducible, accurate and precise results**, thanks to the proven quality of the AIA-Pack reagents.

ARE RESULTS TRACEABLE?

- **Results are generated in real time** for easy review and traceability, with or without LIS connection.
- **Patient identification and reagent lot numbers** are combined with the result.



**1 AIA-PACK
= 1 TEST**



**SET UP IN
5 MINUTES**



**RESULTS IN
18 MINUTES**



**REAGENT
TRACEABILITY**

THE AIA-PACK[®] REAGENTS

THE HEART OF THE SYSTEM

- All Tosoh immunoassay tests are based on the principle:
1 cup = 1 test.



WHAT DOES THAT MEAN?

- One test cup contains all specific reagents necessary for performing one analysis.

The cup content is freeze dried, giving it a long shelf-life. The entire immunological reaction, from incubation to signal detection, takes place inside the test cup. No transfer of sample material or reagent is needed and therefore chances for errors are minimised.

In this way the AIA-Pack reagents **come with a long shelf life and 3 months calibration stability.**



EXPAND WHEN APPROPRIATE



HOW CAN THE INSTRUMENT COPE WITH GROWING TEST DEMANDS?

- The AIA-900 analyser has been designed to provide optimal efficiency to your growing laboratory



Small-scale operations can and should be as productive and cost effective as any other larger solution. Therefore the AIA-900 comes in three sizes, two table top and one floor standing, with increasing autonomy time and flexibility.

You can start with the basic table top model, and as your operations grow, **you can upgrade** to one of the larger models. In this way you can optimise your laboratory space.

- AIA-Pack reagents are instrument independent



AIA-Pack reagents are the same as for the smaller AIA-360 (ideal for satellite laboratories or specialty testing) and the larger AIA-2000 instrument.

KEEP CONTROL ON COSTS



WHAT ABOUT COSTS?

→ Tosoh has a long experience in providing time and cost saving, reliable solutions

- The speed, high throughput and low maintenance needs of the AIA-900 make it possible to reduce total cost of ownership without the loss of quality in the results
- Reagent costs are predictable and true cost per test can easily be calculated to allow budget planning and control - no hidden costs
- At the same time the amounts of liquid and solid waste are reduced
- The content of the reagent cup is freeze-dried and stands for a long shelf life, allowing easy inventory control
- The instrument can store calibrations for two different reagent batch numbers, allowing efficient use of reagents



DOES THE INSTRUMENT KEEP THE OPERATOR BUSY?

→ Thanks to the friendly and intuitive operator interface handling the analyser is smooth

- Daily maintenance is limited to install substrate, check wash and diluent solutions and empty the solid and liquid waste. All specific reagents are ready to use and contained in AIA-Pack cups
- Typically, it does not take more than 5 minutes to start up the instrument

PEACE OF MIND



DOES THE AIA-900 OFTEN BREAK DOWN?

- **The AIA-900 is robust**, with a very low breakdown rate (Mean Time Between Failure is about 1 year) and short maintenance time, only once per year
- **Combined with the low maintenance needs**, this allows cost reduction without compromising the quality of the results

WHAT IF SOMETHING GOES WRONG?

- **Comprehensive operator training is included** in the installation
- Furthermore **the Tosoh hotline** guarantees smooth service and support

Tosoh Bioscience

Better diagnostics for better living

Ever since it was founded in Japan in 1935, Tosoh Corporation has built a reputation for quality and performance in the chemical industry.

With our Tosoh Bioscience division, we have positioned ourselves **in medical diagnostics with a twofold ambition:**

1. Provide healthcare professionals with the **most reliable and accurate immunoassay analysers** on the market.

2. **Monitor patients' status** and so allow to decide for best possible treatment.

Better diagnostics for better living is a strong promise that we deliver through stringent demands in terms of *quality, precision and service*. Because when life is at stake, only excellence counts.

At Tosoh Corporation, we apply our long and extensive experience in immunoassay solution development and manufacturing to your laboratory's performance.

AN ESTABLISHED COMPANY WITH CHEMICAL EXPERTISE



- Founded in Japan in 1935. Over 13,000 employees in 19 countries
- Global chemical company: US\$7.7bn in sales across five groups. Tosoh chemicals are in manufactured items all around us
- Our extensive immunoassay knowledge led us to pioneer the development of the first random access systems for in-vitro diagnostics
- We manufacture all our diagnostic instruments and reagents in-house

WORLD-LEADING IMMUNOASSAY EXPERIENCE

- Since 1986, Tosoh has been producing immunoassay systems and reagents
- Tosoh was the first company to market a true random access immunoassay analyser
- Our method is robust, reliable and efficient



THERE ARE ALWAYS 3 REASONS

TO CHOOSE TOSOH
IMMUNOASSAY SOLUTIONS

1. Simple and flexible workflow for 24/7 testing reliability.
2. Always ready to run. Always available.
3. High quality and performance.

THE RIGHT AUTOMATED IMMUNOASSAY
SOLUTION, JUST FOR YOU.

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TOSOH BIOSCIENCE

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