



*AIA<sup>®</sup>-CL300*

The  
Small  
**Giant**



**TOSOH BIOSCIENCE**  
Better Diagnostics For Better Living

FROM SMALL TO LARGE LABORATORIES

# AIA-CL300 is the solution to meet your specific needs



**The AIA-CL300 enhances your clinical laboratory capabilities and resources.**

The AIA-CL300 is the ideal small immunoassay analyser to solve your specific needs and improve your laboratory and diagnostic efficiency.

This innovative desktop automatic analyser meets the needs from small to large laboratories, to perform routine analysis, cover emergency use, run specific pathologies and esoteric tests.

The AIA-CL300 benefits from the excellence and the unique technology of the AIA-CL range which have already made their proof in terms of **ease of use, reliability, and analytical performance.**



Because the AIA-CL300 requires low sample volume, it is also beneficial for paediatric and geriatric applications

The AIA-CL300 is the flexible instrument responding to customers' needs. Various pathologies can be precisely analysed with the AIA-CL300.



Depending on the assay, **the results of AIA-CL series reagents can be obtained between 15 minutes (for the majority of analytes) to 35 minutes.** In spite of the compactness of the AIA-CL300, the results accuracy and precision are equivalent to the already existing AIA-CL1200 and AIA-CL2400 instruments.

# AIA-CL300: flexible & easy to use

To ease the daily use by healthcare professionals, Tosoh has improved the instrument features and benefits, facilitated the sample and reagent loading and implemented a one-touch assay start functionality.



## INTUITIVE USABILITY

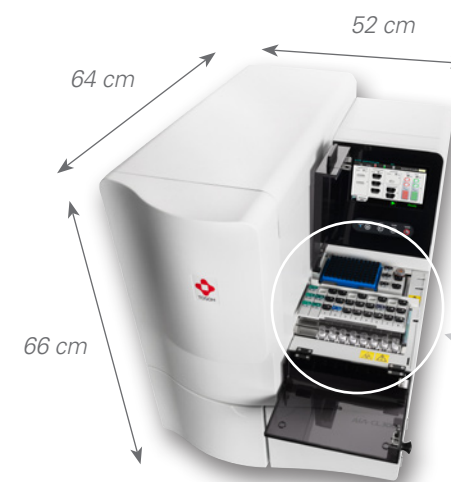
### Features

- Installation in small spaces is possible with an instrument of 52 cm width
- High-resolution digital touch screen in full colour
- Well-defined maintenance
- State-of-the-art analyser with Windows OS
- On-screen inventory
- Programmable daily check

### Benefits

- User-friendly
- Ready to run at work-start time
- Advanced automation
- Fast reaction and turn around time

## INTUITIVE ONE TOUCH ASSAY START



New substrate cup:  
enhancer and substrate (DIFURAT) in one twin cup

## EASY SAMPLE AND REAGENT LOADING

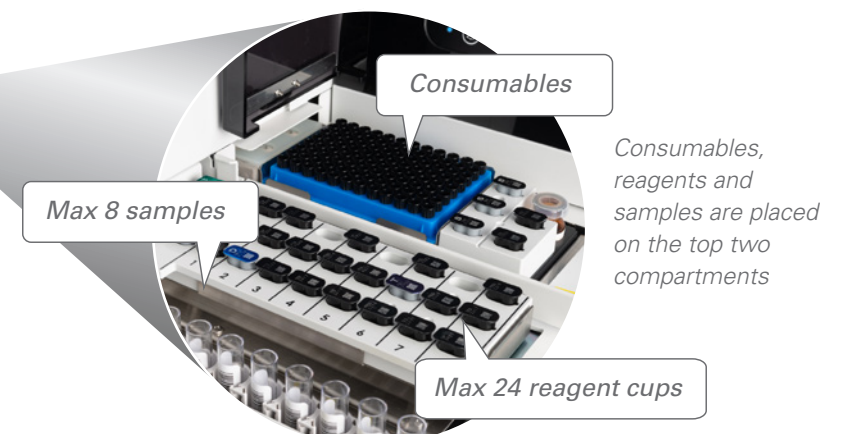
### Features

- Tips and substrate cups are placed in the rear table
- Sample and reagent cups are placed in the front table
- Washer, diluent, waste liquid, and waste box are placed in the easily accessible, front compartments
- Multiple sample tube types
- Internal and external barcode readers

### Benefits

- Continuous flow of high-quality results
- Minimal hands-on-time
- 1-hour walk away time

Washer, diluent,  
waste liquid, and waste  
box are placed in the  
easily accessible,  
front compartments



Consumables,  
reagents and  
samples are placed  
on the top two  
compartments



CL AIA-PACK® EXCLUSIVE CONCEPT

# Reliability of results

The AIA-CL300 utilises the patented enhanced chemiluminescence technology. Sensitivity, reproducibility and build quality are following Tosoh's long history and high standards.

- Chemiluminescent enzyme immunoassays
- Integrated Quality Control program
- Automatically scans all cups and samples placed on board before assay starts
- Dedicated disposable conductive tips
- Traceability of all samples and data
- 24 hours a day, 7 days a week testing reliability
- Benefits from AIA-CL range features

- ✓ **auto-sample dilution cups**
- ✓ **auto-pretreatment**
- ✓ **auto-adjuster**

**BEST VALUE**

- Reduce manual operations
- Improve precision and accuracy
- Prevent human errors

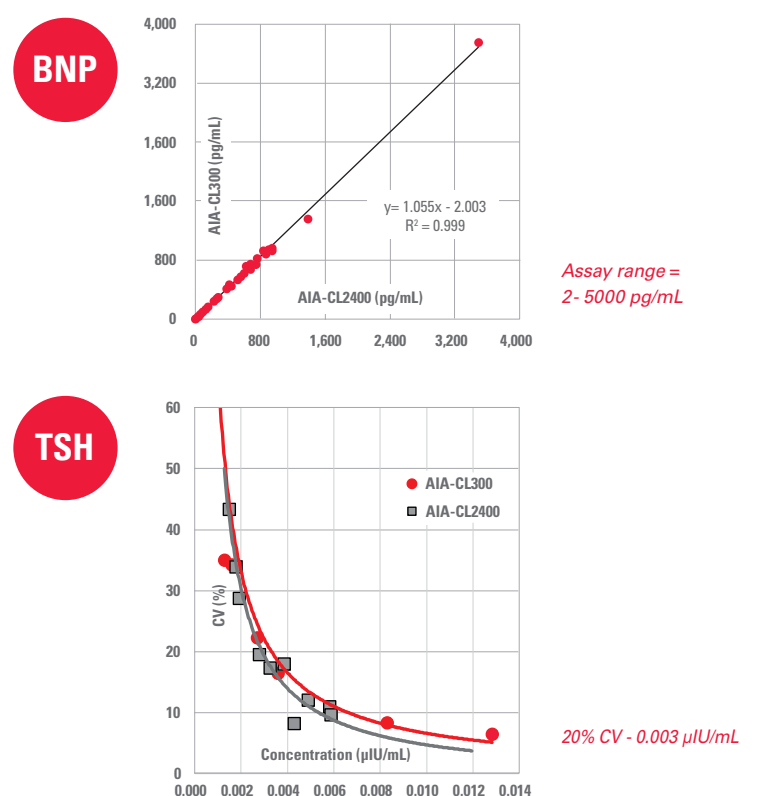


**AIA-CL300 benefits** from the lyophilised reagents and unitary base which offer **an excellent long-term analytical stability.**

THE REFERENCE QUALITY RESULTS YOU EXPECT

# Proven analytical performance

The AIA-CL300 is a small footprint analyser with long calibration stability and reagent expiration dates. It also needs a low sample volume and offers high precision and accuracy.



- 1 cup = 1 test principle allowing predictable consumption
- 90-days calibration stability for all assays
- 40+ scientific publications & evaluations
- Troponin I with LoD=1.61 pg/mL and LoQ at 10%CV = 5.55 pg/mL
- BNP using the same antibodies as the reference method (Shionogi patent) with an assay range of 2-5000 pg/mL
- Fertility panel for the diagnosis of ectopic pregnancies or monitoring of in-vitro fertilisation
- hCG assay range = 3-10,000 mIU/mL without hook effect

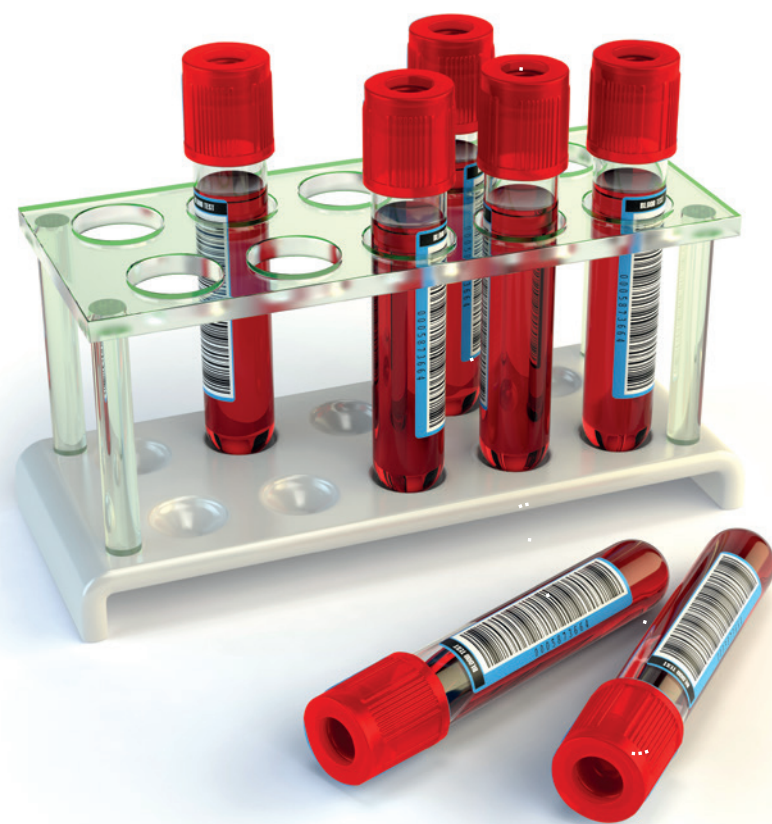
Unrivalled assay LOD, sensitivity, repeatability, with extreme attention to minimise interferences, offer improved clinical significance of results.



HIGH QUALITY RESULTS 24/7

# Best return on investment

The Tosoh AIA-CL300 is designed to produce reliable results 24/7, requiring minimal hands-on time, thanks to an intuitive, user-friendly software and simple, well-defined maintenance procedures.



## LESS HANDS-ON TIME

Automatic on-board reconstitution of all reagents including calibrators, frees up operators' time



## LOW REAGENT AND CONSUMABLE CONSUMPTION

The 1 cup = 1 test principle allows predictable consumption



## LESS HUMAN ERRORS

Each cup has a QR<sup>®</sup>\* code for positive identification and is auto reconstituted on-board the analyser, just before use



## QUICK RESULTS DELIVERY

Assay time for most tests is approx. 15 min with a max throughput of 30 tests/hour



## LOW WASTE PRODUCTION

No reagent waste, long expiration dates, 90-days calibration stability for all assays and limited solid and liquid waste



## LOW SAMPLE VOLUMES AND WIDE ASSAY RANGES

Minimal need for post-dilutions and assay repeats



## MINIMAL DOWNTIME

AIA-CL300 benefits from the unique technology of the AIA-CL1200 and AIA-CL2400, that have already proven themselves in the market

\* QR Code is a registered trademark of DENSO WAVE INCORPORATED



HAPPY CUSTOMERS MAKE HAPPY TEAM MEMBERS

# Customer service & support

Our customer service is located in our headquarter in Belgium and covers all the EMEA regions. Our customer support quickly provides solutions to our customers’ needs. The constantly high score of documented customer satisfaction proves the quality of our service.



**Our devoted customer service team efficiently acts to**

- Take your order
- Manage order preparation
- Organise stock management
- Plan the shipping delivery
- Handle administration

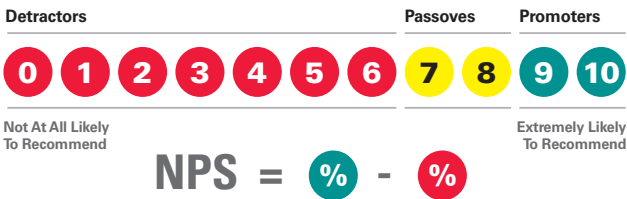
**Our skilled technical and application engineers**

- Provide accurate solutions to your needs
- Are regularly trained to be up-to-date and enable quick reactions
- Benefit of new technologies to support remotely and on-site an instrument uptime in excess of 99%

## NPS = 80%

With a Net Promoter Score\* of 80%, our customers prove to be very satisfied with the unique Tosoh customer service and support.

\* Net Promoter Score (NPS) is a metric that organisations use to measure customer loyalty towards their brand, product or service.



THE SMALL GIANT

# AIA-CL300



## SPECIFICATIONS

<b>Method</b>	
Assay principle	CLEIA
Reagent type	AIA-CL Twin cup
Available IVD reagents	> 50 assays
Test principle	1 CL AIA-PACK® cup = 1 test
Immunochemical determination	Entirely inside CL AIA-PACK
Signal detection	Substrate (DIFURAT®) + Enhancer
Processing method	Automated continuous random access
<b>Capacity</b>	
Time to first result	Approx. 15 minutes
Processing capacity	Max. 30 tests/hour
Number of analytes per sample	Max. 6
Sample volume	5 - 50 µL
Samples	Max 8 (on-board)
Sample pre- and post-dilution	Auto (4 to 625x)
Sample pretreatment	Auto
Reagent rack	Sample assay: Max. 24 cups Calibration assay: Max. 30 cups
Washer and diluent	750 mL tank (manual preparation)
Substrate and enhancer	Max. 3 cups (11 tests/cup)
Tip rack	Max. 96 tips
Power supply input/consumption	100 to 240 V AC, 50/60 Hz / 300 VA
Barcode readers	Internal and external (handheld)
Operating environment	15-30 °C, 40-80% R.H., up to 2000m alt.
External communication	RS-232C, USBs, RJ45/LAN
<b>Dimensions</b>	
Width	52 cm
Depth	64 cm
Height	66 cm
Weight	72 kg (159 lbs)





All AIA-CL analysers share the same technology, components, and reagents



Scan me



to discover  
AIA-CL300 online

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[www.diagnostics.eu.tosohbioscience.com](http://www.diagnostics.eu.tosohbioscience.com)

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**AIA - CL300**

 **30** results per hour




**AIA - CL1200**

 **120** results per hour



**AIA - CL2400**

 **240** results per hour

The AIA-CL300 is the most compact instrument of Tosoh AIA-CL analysers. All AIA-CL analysers share the same technology, components, and CL AIA-PACK. These guarantee optimal reagent management, inventory, consistency of data and result performance.

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