



TOSOH

# Immunoassay Reagents

AIA-PACK® Series

Clinical Testing Solutions with  
Consistency, Stability and Harmony



Tosoh's AIA® Immunoassay Test Menu utilizes our proprietary Unit Dose Test Cup reagent technology in a **biotin free immunoassay design**.

Not all immunoassays are the same. Using the right immunoassay gives you confidence in the results you deliver. **Choose wisely. Choose Tosoh.**

**TOSOH BIOSCIENCE**

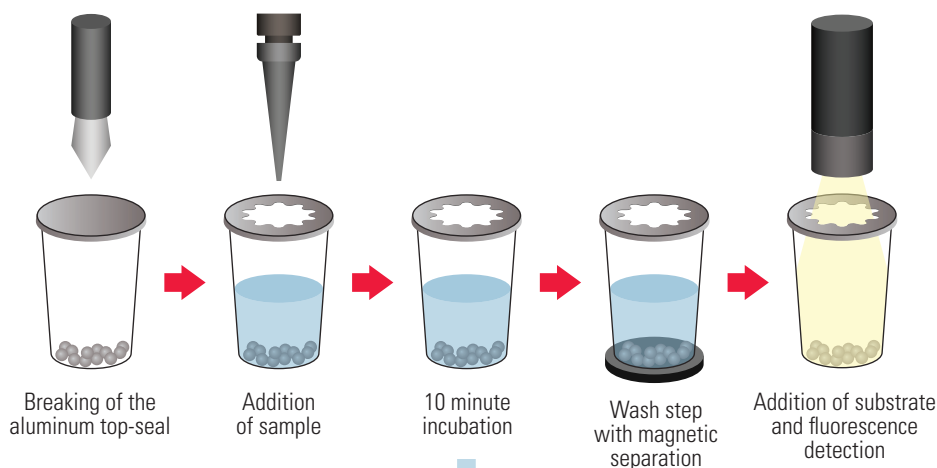
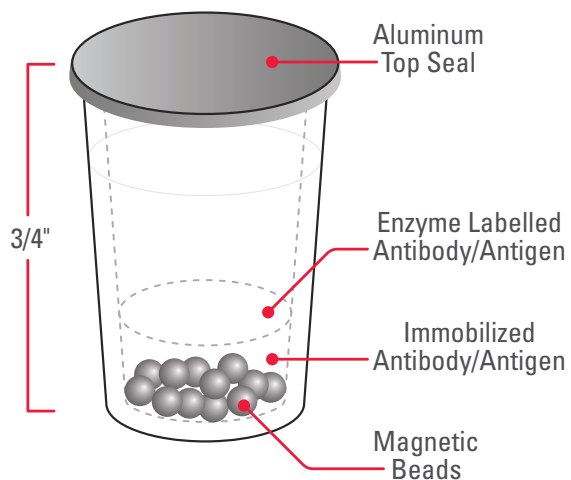
[www.tosohbioscience.us](http://www.tosohbioscience.us)



## Unit Dose Test Cup Reagent Technology

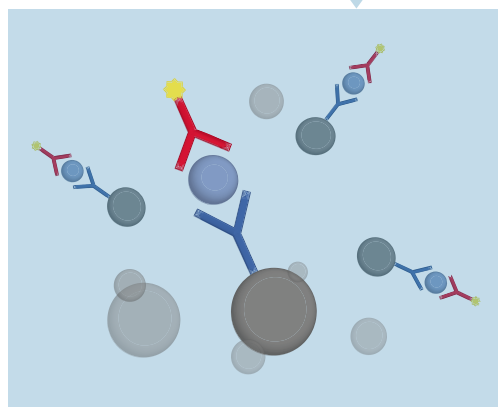
Tosoh's AIA Test Cup technology utilizes a patented concept by Tosoh based on individual test cups, each containing lyophilized and ready-to-use reagents that require **no pre-mixing, no pre-measuring, and no on-board refrigeration**.

One test, one cup ensures minimal reagent waste leading to both increased efficiency and cost savings. Load the cup and press start.



The entire immunoassay reaction takes place in the test cup, from the pipetting of the sample, the antigen-antibody reaction, up to the signal detection. This ensures:

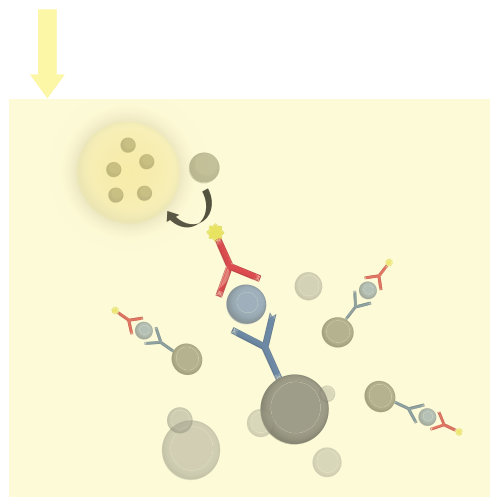
- Consistency
- Stability
- Harmony



### Analyte capture

**Sandwich assay:** The analyte is isolated with a capture and signaling antibody. The contained reaction with 10-minute incubation ensures a rapid assay format with results in 18 minutes.

Both our sandwich and competitive immunoassays are biotin-streptavidin free.



### Signal generation

The alkaline phosphatase-labeled signaling antibody hydrolyzes the substrate, 4-Methyl Umbelliferyl Phosphate (4-MUP) to a fluorescent product.

### Signal detection

The fluorescence signal is measured in a unique biochromatic kinetic measurement that achieves high signal to noise ratio, ensuring high analytical and functional sensitivity for all assays.

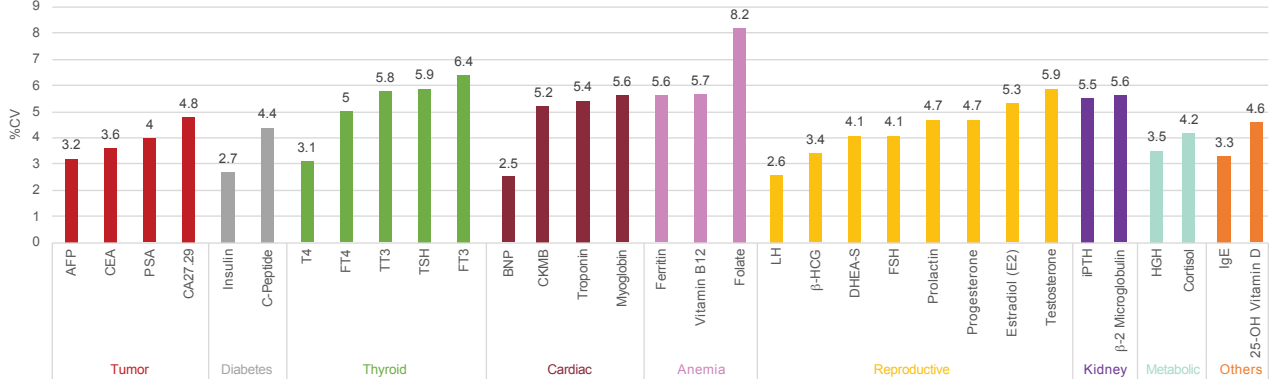
# Consistency

The Unit Dose Test Cup technology ensures **no transfer of reagents, no pre-mixing** and **no pre-measuring**, minimizing the introduction of analytical errors while maximizing on performance specifications. Together, this yields reliable diagnostic results allowing for accurate clinical decisions and customized patient care.

AIA-PACK assays have excellent CVs across the entire test menu.

# Precision of the AIA-PACK Immunoassay Menu

Method: Precision of the AIA-PACK as measured by the variation obtained from the use of the Multi Analyte Control Level 2 on the AIA system



## Wide dynamic range

- Save time and cost by reducing re-runs for out of range results
- Estradiol range 25 pg/mL- 3000 pg/mL suitable for IVF applications



## Rapid results

- 10-minute incubation times ensure quick around turnaround times suitable for time sensitive testing such as Troponin, Estradiol, Progesterone, and others



## High analytical sensitivity

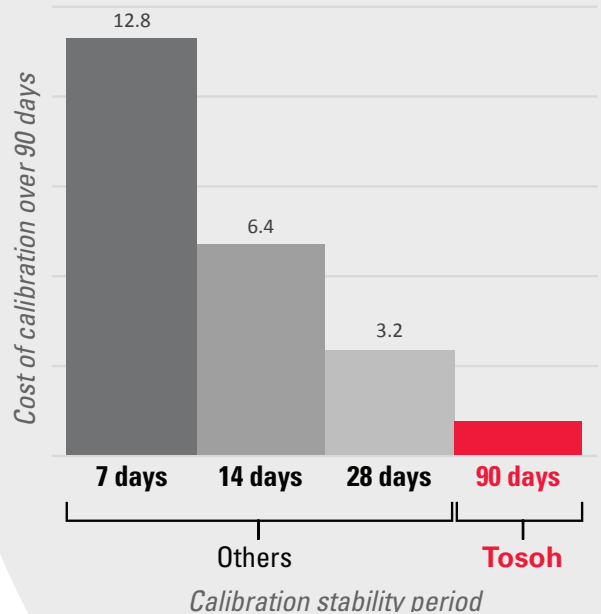
- Accurate & precise analyte measurements
- βHCG 0.5 mIU/mL
- Troponin 0.06 ng/mL



## Stability

- Lyophilized reagents allow long shelf life
- Up to 90 days calibration stability for most assays
- One test, one cup: Use only what you need

## CUT COSTS OF CALIBRATION BY UP TO 12.8 TIMES USING TOSOH REAGENTS

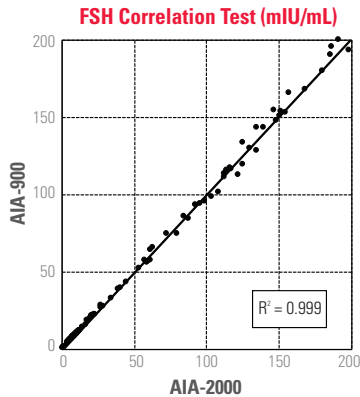


## Zero Waste

Together, this translates to cost savings due to reduced calibration frequency and time, reagent use and reagent waste.

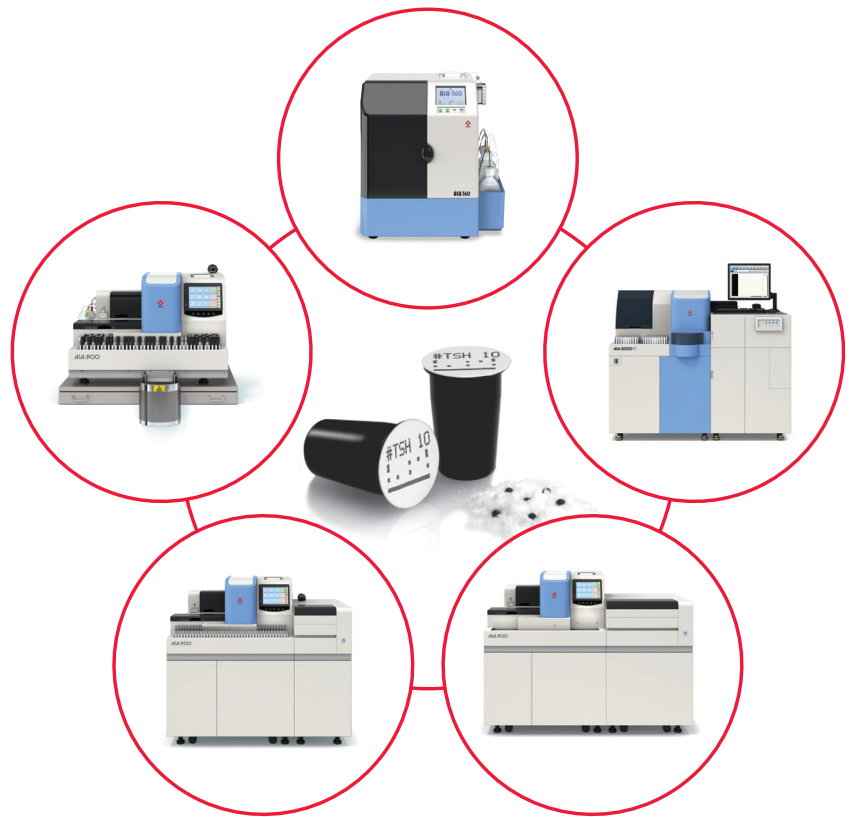
# Harmony

The AIA-PACK assays are a universal reagent and are **interchangeable** within our entire portfolio of automated immunoassay analyzers suitable for labs of all sizes, from small POLs to large reference labs.



Interchangeable results between all Tosoh AIA systems is ideal for all lab settings:

- Satellite labs
- Backup instrumentation
- Intra-operative testing



**Choose Wisely. Choose Tosoh.**

Correlation with gold standard methods

Automated workflows

Accurate & precise

Biotin Free Immunoassay Design

Extensive test menu

Specific & sensitive

Up to 90 day calibration stability

10 minute incubation times

**For more information, call 1.800.248.6764**

*Tosoh products are for Prescription use only as In-Vitro Diagnostics*

## TOSOH BIOSCIENCE

[www.tosohbioscience.us](http://www.tosohbioscience.us)

"Tosoh Bioscience", "AIA-PACK" and "AIA" are the registered trademarks of Tosoh Corporation

