

AIA®-PACK Series  
**Immunoassay Reagents**



**Clinical Testing Solutions with Consistency, Stability and Harmony**

Tosoh's ST AIA-PACK® Test Menu of immunoassays utilizes our proprietary Unit Dose Test Cup technology and is **free from biotin interference**.

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



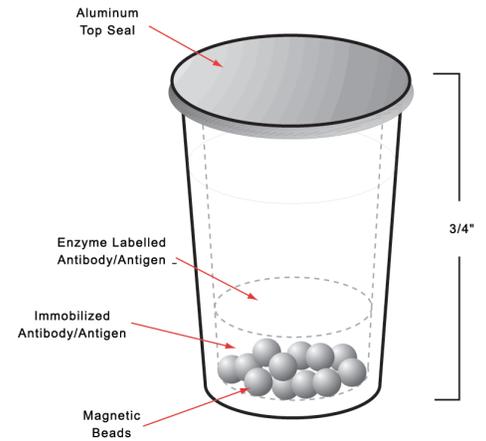
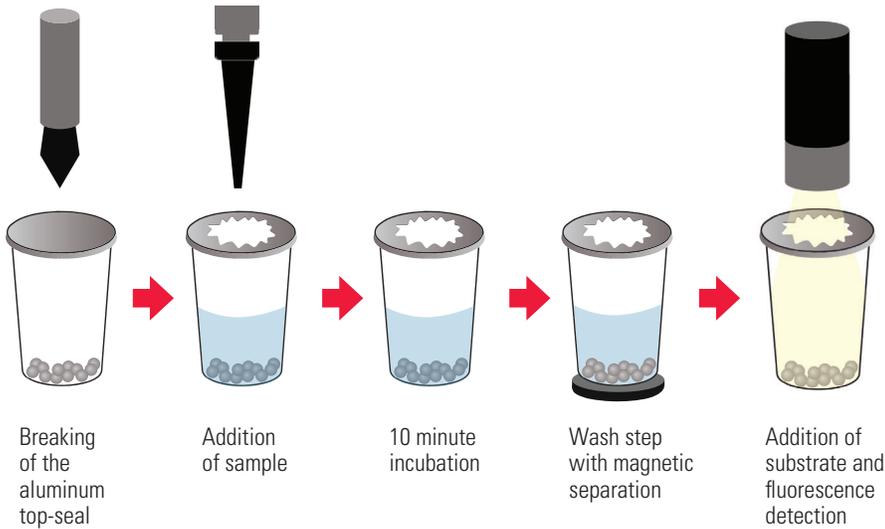
**TOSOH BIOSCIENCE**

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



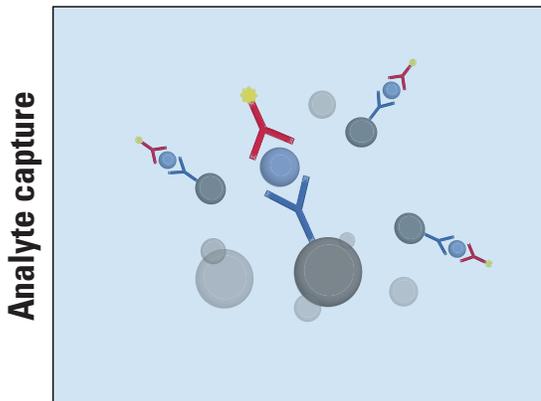
## Unit Dose Test Cup Technology

The AIA-PACK 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:

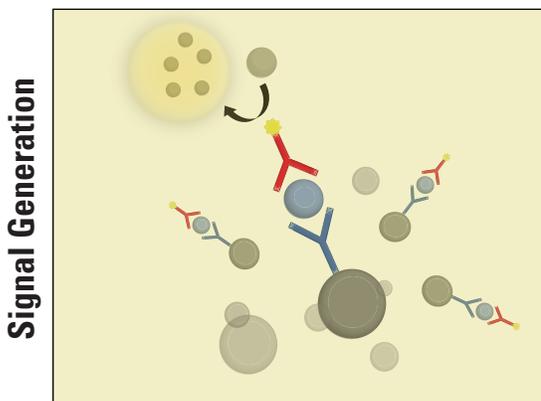
- Consistency
- Stability
- Harmony



### 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 with minimal risk from biotin interference.



### Signal generation

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

### Signal detection

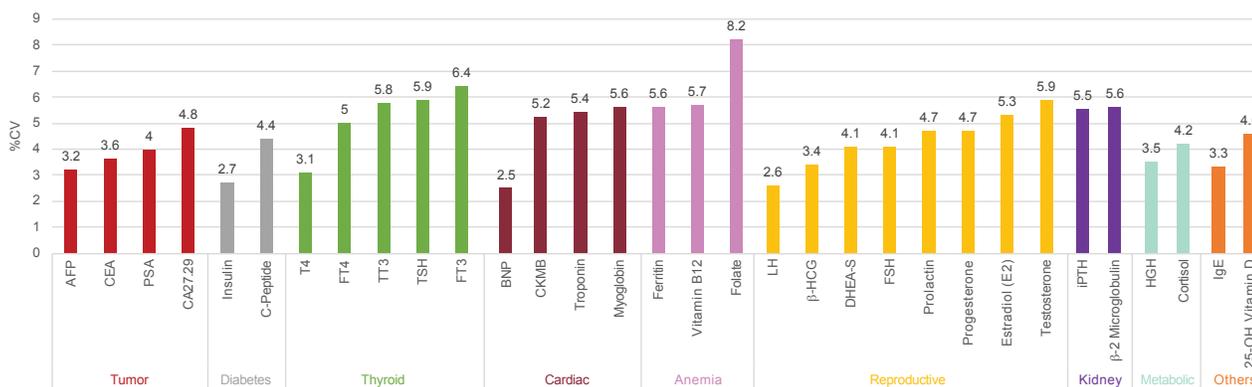
The fluorescence signal is measured in a unique biochromatic kinetic measurement that achieves high signal to noise ratio, ensuring high analytical and functional sensitivity for all assays.

## 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

## High analytical sensitivity

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

## Rapid results

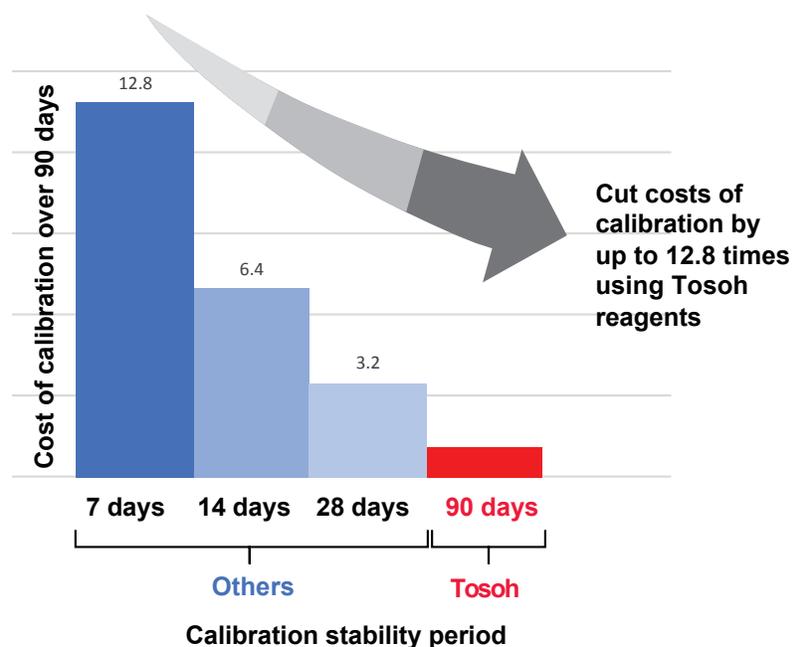
- 10 minute incubation times ensure quick turnaround times suitable for intraoperative testing such as iPTH, Troponin etc.

## 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

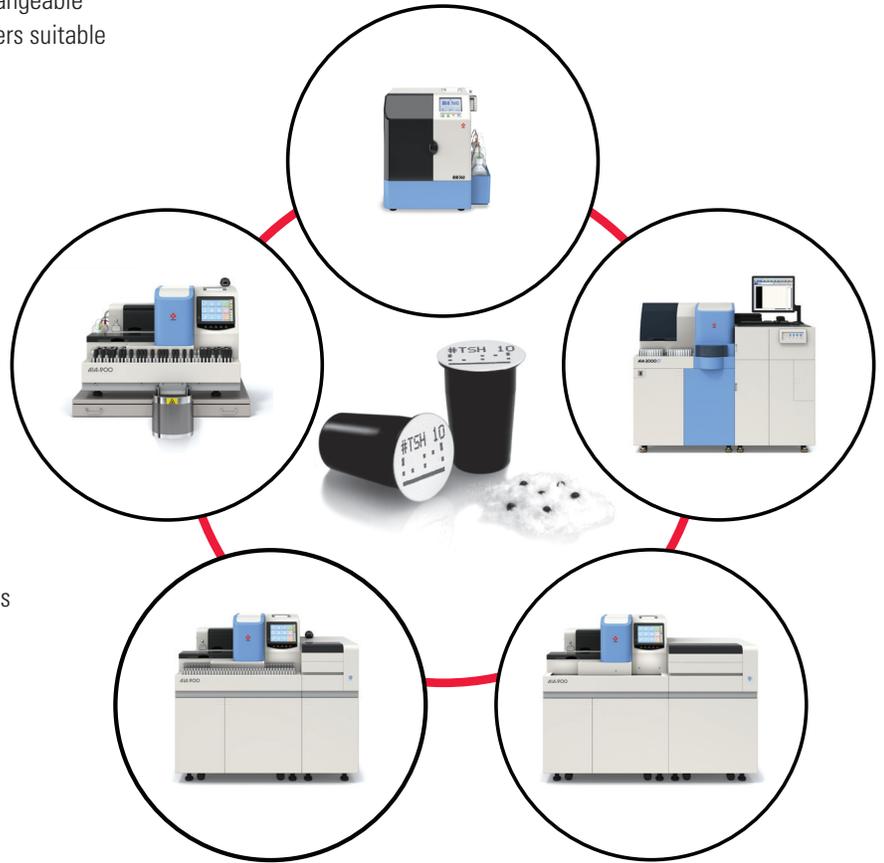
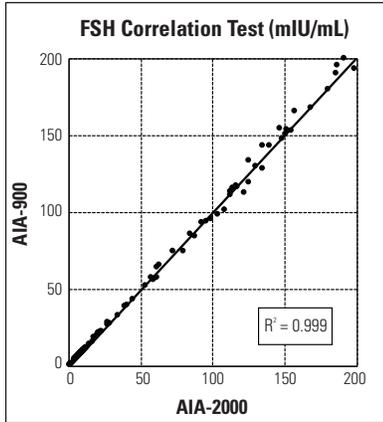


Together, this translates to cost savings due to reduced calibration frequency and time, reagent use and reagent waste.



## 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.



Accurate & precise



Specific & sensitive



Correlation with gold standard methods



No Biotin Interference

Biotin-free immunoassays



Extensive test menu



Up to 90 day calibration stability



10 min incubation times



Automated workflows

**For more information, call 1.800.248.6764**

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

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