

Immunoassay Series

ST AIA-PACK[®] BNP



Take the Stress Out of Heart Failure

BNP is released in response to stress to the heart. Multiple studies have demonstrated that increasing levels of circulating BNP are found in patients that are in the early stages of Heart Failure (HF). As HF advances, the level of BNP increases. Heart Failure is a condition in which the heart is weakened and cannot supply a sufficient amount of blood to cells within the body.

It is estimated that 6.2 million U.S. adults (≥ 20 years of age) have HF. This represents an increase from previous estimates of 5.7 million between the years 2009-2012. The prevalence of HF is projected to increase to >8.0 million adults (≥ 20 years of age) by the year 2030.¹

BNP is the active biological marker of heart failure. It is not influenced by renal function and is an effective test for assessing heart failure. The Tosoh ST AIA-PACK BNP assay is used as an aid in the diagnosis of heart failure in patients presenting to the emergency department (ED) with clinical suspicion of new onset HF, acutely decompensated or exacerbated HF.

TOSOH BIOSCIENCE

www.tosohbioscience.us



Universal Reagent

Tosoh's AIA-PACK test cup format works with every Tosoh automated immunoassay system allowing for a seamless transition from one system to the other, ensuring consistent results in an efficient and economical process.

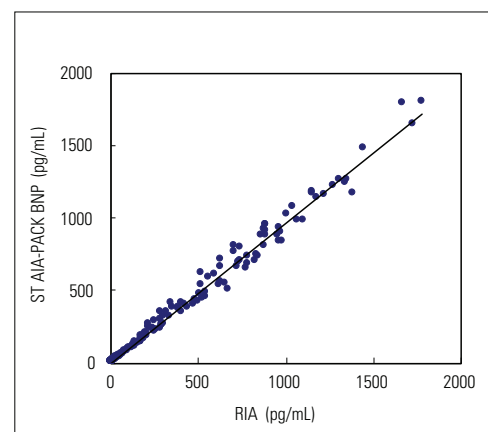
Save Time and Money

Tosoh's AIA-PACK test cups are single, unitized cups that use a dry reagent format that ensures calibration stability of up to 90 days.

No Contamination, More Traceability

Because there is no transfer of reagents the risk of contamination is eliminated. The unique bichromatic fluorescence kinetic measurement ensures a high analytical and functional sensitivity for all assays. AIA-PACK test cups and trays are labelled with the assay code and lot number for automated scheduling and inventory.

- Uses the Shionogi Antibody.
- Equal response to BNP and proBNP.
- Not affected by glycosylation of proBNP. Hence reflects the whole biosynthesis of BNP caused by stress of the ventricles.²
- Correlates with the Shionoria assay used in the Framingham Heart Study.³
- Linearity of 4-2000 pg/mL.
- Assay time of ~18-20 minutes.
- Small compact AIA-360 for use in the emergency room.



Choose Wisely. Choose Tosoh.



Accurate & precise



Specific & sensitive



Correlation with gold standard methods



Biotin-free immunoassays



Extensive test menu



Up to 90 day calibration stability



10 min incubation times



Automated workflows

Available for Labs and Workloads of All Sizes



AIA-360



AIA-900
Benchtop



AIA-900
with 9 Tray Sorter
Also available with 19 tray sorter option and as Loader model



AIA-2000

Tosoh products are for Prescription Use Only as In-Vitro Diagnostics



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References:

1. Tsao CW. et al. Circulation 2022;145:e153–e639.
2. Nishikimi T et al. Heart 2012;98:152-161.
3. Wang TJ. et al. N Engl J Med 2004;350:655-63.