



# TOSOH BIOSCIENCE, INC.

## **Tosoh Bioscience Launches the ST AIA-PACK SHBG Assay**

South San Francisco, CA -- July 9, 2015 – Tosoh Bioscience, Inc. introduces the ST AIA-PACK SHBG assay for use on Tosoh AIA System Analyzers. The SHBG assay is intended for use as an aid in the diagnosis of androgen disorders.

Utilizing Tosoh's unit dose test cup reagent technology, ST AIA-PACK SHBG has an assay time of approximately 18 minutes. Single, unitized test cups require no pre-mixing, no pre-measuring and no on-board refrigeration. Dry reagent format ensures 90-day calibration stability for minimal waste and cost effective testing. Test cups are bar-coded for easy identification and inventory management.

ST AIA-PACK SHBG is designed for In Vitro Diagnostic Use Only for the quantitative measurement of Sex Hormone Binding Globulin (SHBG) in human serum or Na heparinized on TOSOH AIA System Analyzers. The ST AIA-PACK SHBG has an assay range of 0.2 to 250 nmol/L. The 90 days calibration stability makes it feasible to run this test even with low volumes.

Sex hormone-binding globulin (SHBG) is glycoprotein that binds to the two sex hormones: androgen and estrogen. Androgens (e.g. Testosterone) and Estrogens (e.g. Estradiol) circulate in the bloodstream, bound mostly to SHBG. Only a very small fraction (approx. 1-2%) is unbound, or "free," and thus biologically active. SHBG inhibits the function of these hormones. Thus, bioavailability of sex hormones is influenced by the level of SHBG.

SHBG is widely measured together with testosterone assays to calculate the "Free Androgen Index" (FAI), the ratio of total testosterone level derived by SHBG level. The FAI is known as a useful indicator to determine abnormal androgen status.

### ABOUT TOSOH BIOSCIENCE, INC.:

*Tosoh Bioscience Inc (TBI) provides highly sophisticated diagnostic systems for immunoassay and HPLC testing to doctor's offices, hospitals and reference laboratories throughout the Americas. Based in South San Francisco, CA, TBI is a U.S. subsidiary of Tosoh Corporation which is headquartered in Tokyo, Japan. TBI is part of Tosoh Corporation's Bioscience Division.*

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