

**ADVANCE DIAGNOSTICS CENTRE**

C1-C2/17A, NEAR NIHARIKA TALKIES

KORBA- 495677

PH-09228333 MOBILE-9300888178

NAME : MRS SHAHEENA PRAVEEN 59 Years / Female Reg No. : 8901
Ref. By : DR. AGRAWAL.A Reg. Date : 16/04/2022 09:31AM
Address : Collected At : MedZone Center

INVESTIGATION REPORT**CLINICAL BIOCHEMISTRY**

TEST	RESULT	UNIT	BIOLOGICAL REF RANGE	TEST METHOD
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TSH (Thyroid Stimulating Hormone)

Sample Type : SERUM

TSH (Thyroid Stimulating Hormone)	4.17	μIU/mL	0.37 - 4.8 : Adults	Fully Automated
			0.46 - 8.1 : 1mon-5 Yrs	Roche E411 (ECL)
			0.52 -16.0 : 1 - 30 Days	

Thyroid-stimulating hormone (TSH, thyrotropin) is a glycoprotein having a molecular weight of approx. 30,000 daltons and consisting of two subunits. The beta-subunit carries the TSH-specific immunological and biological information, whereas the alpha-chain carries species-specific information and has an identical amino acid sequence to the alpha-chains of LH, FSH and hCG. TSH is formed in specific basophil cells of the anterior pituitary and is subject to a circadian secretion sequence. The hypophyseal release of TSH (thyrotropic hormone) is the central regulating mechanism for the biological action of thyroid hormones. TSH has a stimulating action in all stages of thyroid hormone formation and secretion; it also has a proliferative effect. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Roche Cobas TSH employs monoclonal antibodies specifically directed against human TSH. The antibodies labeled with ruthenium complex* consist of a chimeric construct from human and mouse-specific components. As a result, interfering effects due to HAMA (human anti-mouse antibodies) are largely eliminated.

METHOD: One-step sandwich and competitive FEIA

INSTRUMENT: TOSHO AIA-360 JAPAN

--- End Of Report ---

Sample Registered On : 16/04/2022 09:31AM

Sample Received On : 16/04/2022 09:32AM

Report Released On : 16/04/2022 02:29PM

Sample Barcode :



Checked By:VIVEK

Dr. VANDANA CHANDANI