AMPATH
Central Reference Labor
Door No. 1-100/1/CCH N
Serilingampally
Hyderabad

MC-2751

AMPATH
ACCURATE DIAGNOSTICS, AMERICAN STANDARDS.

LABORATORY REPORT

NAME	**: MR.PR0040**	REFERRED BY	: SELF	VISIT NO	: VAMP26148063
AGE	: 40Y 0M 0D	ZERO TARIFF CLIENT CODE		COLLECTED ON	: 21-04-2026 10:00
GENDER	: Male	**LAB MR#**	**: AAMP01479342**	RECEIVED ON	: 21-04-2026 19:51
OP / IP / DG #	:			APPROVED ON	: 22-04-2026 17:57
				REPORT STATUS	: Final Report

Test Name	Result	Biological Ref. Interval	Unit
BIOCHEMISTRY			
Free Light Chain Assay (kappa & Lambda) - Serum (with kappa lamba ratio) *(Serum)*			
Kappa Light Chain Free *Immunoturbidimetry*	10.20	3.3-19.4	mg/L
Lambda Chain Free *Immunoturbidimetry*	15.00	5.71-26.3	mg/L
Kappa/lambda Ratio *Calculation*	0.680	Without renal impairment: 0.26-1.65 With renal impairment: 0.37-3.1	

Interpretation:

Elevated levels of Kappa or Lambda FLC are associated with plasma cell disorders such as multiple myeloma, lymphocytic neoplasms, Waldenström's macroglobulinemia, AL amyloidosis, light chain deposition disease and connective tissue diseases such as systemic lupus erythematosus.
The monoclonal gammopathies are characterized by a clonal expansion of plasma cells that secrete a monoclonal immunoglobulin. An elevated ratio of kappa to lambda free light chains (FLC K/L) indicates a monoclonal kappa FLC, and an abnormally low FLC K/L indicates a monoclonal lambda FLC. The kappa and lambda FLC may both be elevated in the sera of patients with polyclonal hypergammaglobulinemia, but the FLC K/L is normal. If a patient has an abnormal serum FLC K/L ratio but has no serum monoclonal protein detected by immunofixation, a urine monoclonal protein study (eg, immunofixation) should be performed and the serum immunofixation should be repeated. Elevated kappa and lambda (K/L) free light chain (FLC) may occur due to polyclonal hypergammaglobulinemia or impaired renal clearance. A specific increase in FLC (eg, FLC K:L ratio) must be demonstrated for diagnostic purposes.

Sanjeeta

Dr. Sanjeeta
MBBS,MD (Biochemistry)
Consultant Biochemist

Sin No: 20385360

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thereof.
3. Test results are dependent on the quality of the sample received by the lab. In case the samples are preprocessed elsewhere (e.g., paraffin blocks), results may be compromised.
4. Tests are performed as per the schedule given in the test listing and in any unforeseen circumstances, report delivery may be affected.
5. Test results may show inter-laboratory as well as intra-laboratory variations as per the acceptable norms.
6. Genetic reports as well as reports of other tests should be correlated with clinical details and other available test reports by a qualified medical practitioner. Genetic counselling is advised in genetic test reports by a qualified genetic counsellor, medical practitioner or both.
7. Samples will be discarded post processing after a specified period as per the laboratory's retention policy. Kindly get in touch with the lab for more information.
8. If accidental damage, loss, or destruction of the specimen is not attributable to any direct or negligent act or omission on the part of Ampath Labs or its employees, Ampath shall in no event be liable. Ampath lab's liability for a lack of services, or other mistakes and omissions, shall be restricted to the amount of the patient's payment for the pertinent laboratory services.

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