

Patient Name	: Mr MR.DUMMY	Sample Collected	: Apr 26, 2024, 01:00 PM.
DOB/Age/Gender	: 23 Y/Male	Report Date	: May 09, 2024,01:18 PM.
Patient ID / UHID	: 8051998/RCL7248566	Barcode No	: ZC669555
Referred By	: Dr. X	Report Status	: Final Report
Sample Type	: Serum		

Alkaline Phosphatase (ALP) Isoenzymes

L1 (Liver)	33.20	%	18-72
L2 (Liver)	3.90	%	1-9
B (Bone)	62.90	%	20-74
I1 (Intestine)		%	< 14
I2 (Intestine)		%	< 14
I3 (Intestine)		%	< 14
P1 (Placental)		%	
P2 (Placental)		%	

Interpretation:

Liver Isoenzymes :

There are two liver isoenzymes, L1 and L2. L1 is increased in some non - malignant diseases (Such as cholestasis, cirrhosis, viral hepatitis and in various biliary and hepatic pathologies). It is also increased in malignancies with hepatic metastasis, in cancer of the lungs and digestive tract and in lymphoma. The L2 fraction exists in healthy subjects at low concentration (< 8 IU/L). An increase of L2 may occur in cholestasis and biliary diseases and in malignancies (e.g., breast, liver, lung, prostate, digestive tract) with liver metastasis.

Bone Isoenzyme :

The bone fraction is interpreted with respect to age.

Increase seen in :

1. Breast cancer with bone or liver metastasis, Osteosarcoma and lymphoma with or without metastasis
2. Rheumatismal diseases, hyperparathyroidism, Paget disease and rachitism.
3. Transient hyperphosphatasemia in infancy that is associated with a particular liver fraction .
4. In such case the total ALP is highly elevated (> 2000 IU/L).
5. When associated with an increase of other fraction (e.g. L1, L2) it may indicate malignancy of rectum, Lung and prostate (with bone and liver metastasis).

Intestinal Isoenzymes :

They are absent in about 60% of normal subjects and when present are less than 14% .

Placental Isoenzyme :

Exists as P1 (90%) and P2 (10%). It is found during pregnancy & in some malignant diseases, e.g.:- ovarian cancers, sarcomas, pancreatic & stomach cancers. Increase can be also due to heavy smoking.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

928-909-0609

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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