



Dr Test Doctor Test Clinic. 123 Test Street, Test Suburb Victoria 3125

Lab ID
Patient ID PAT-100009
Ext ID 25280-0035

Test Patient

Sex: Female • 45yrs • 01-Jan-80
123 Home Street, Test Suburb Vic 3125

RECEIVED
07-Oct-25

M2-Pyruvate Kinase:

Specimen type - Stool

Collected

05-Oct-25

SERVICE	RESULT	H/L	REFERENCE	UNITS
M2-Pyruvate Kinase	23.00	H	(0.00-4.00)	U/mL

GIT Tumour/Ulcer Comment

ELEVATED M2-PYRUVATE KINASE (M2-PK):

M2-pyruvate kinase (M2-PK) is a tumor-associated isoform of the glycolytic enzyme pyruvate kinase, released by metabolically active or proliferating cells, including tumor and inflammatory cells in the gastrointestinal tract. Elevated faecal M2-PK levels are indicative of increased cellular turnover and metabolic activity within the intestinal mucosa.

An elevated M2-PK result may be associated with colorectal neoplasia, including adenomas and colorectal carcinoma, but it can also be elevated in the presence of inflammatory bowel disease (IBD), infections, or other forms of intestinal inflammation. While M2-PK is not disease-specific, its sensitivity to metabolic changes makes it a valuable marker for further diagnostic evaluation, particularly in symptomatic patients or those at risk for colorectal pathology.

Further clinical correlation is essential, and significantly elevated results should prompt referral to a gastroenterologist.

ACCREDITATION SCOPE: Please note that the above test is currently not under the laboratory's scope of accreditation.

Methodology

Enzyme-Linked Immunosorbent Assay (ELISA)