



M2 PYRUVATE KINASE - Test Code 2012



Turnaround Time: 3-5 business days



Specimen Type: Stool Kit

Description

M2 Pyruvate Kinase (M2-PK), as measured in faeces, is a tumour marker for colorectal cancer. Though M2-PK can be elevated in many tumour types, rather than being an organ-specific tumour marker, increased stool (faecal) levels can be used as an early detection of colorectal carcinomas (Cruz et al., 2021).

The tumour marker M2 Pyruvate Kinase is a form of the enzyme pyruvate kinase, the key enzyme in the cancer cells metabolism used to identify colorectal cancer, other malignancies, and autoimmune gut- associated diseases. Some non-cancerous diseases may present with an increased level of M2-PK, such as ulcerative colitis and Crohn's disease (Cruz et al., 2021).

M2-PK is a fast non-invasive stool test used for initial screening of bowel cancer. This stool test can detect bleeding and non-bleeding bowel polyps and tumours (Cruz et al., 2021). An elevated M2-PK result is part of the preliminary screening process for colorectal cancer or other gastrointestinal conditions. It is recommended that individuals with an elevated result be referred for further investigation through clinical endoscopy or colonoscopy. M2-PK can be used as an assessment or response tool following treatment.

Whats included?

- M2 Pyruvate Kinase (M2-PK)

Conditions and Symptoms

- Colorectal cancer
- Loss of appetite
- Nausea and vomiting
- Blood in stool
- Unexplained weight loss
- Abdominal pain
- Changes in bowel habits

Complementary Testing

- Calprotectin (Test code 2001)
- CDSA Level 1 (Test code 2003)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



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