Pancreatic Elastase ELISA

- Quantitative determination of Human Pancreatic Elastase in faeces
- Ready-to-use diagnostic kit
- Easy and non-invasive diagnosis of pancreatic insufficiency
- FDA registered (reg no. 3003594692)

Specific advantages of the pancreatic Elastase ELISA from BioServ Diagnostics

- Polyclonal high-tech-antibodies, directed against specific synthesised sequences of the human Elastase molecule.
- High specificity and sensitivity because the BioServ Elastase ELISA detects several different epitopes. Should one or a few of these epitopes be degraded, the BioServ Diagnostics test system still detects Elastase in a highly reliable manner.
- Standards and controls are contained in the same biological matrix as the patient samples, thereby eliminating uncontrollable matrix effects.

Faecal Pancreatic Elastase
- a proven functional diagnostic tool

Pancreatic Elastase is a proteolytic enzyme exclusively produced in the pancreas. It is stable during the intestinal passage and is even accumulated in a sixfold concentration in stool, compared to the concentration in the duodenal juice. The widely utilised ELISA from BioServ Diagnostics for the quantitative determination of pancreatic Elastase in faeces enables you to obtain a quick and reliable diagnosis and follow-up of an exocrine pancreatic insufficiency, which may be caused by:
- Chronic pancreatitis
- Cystic fibrosis
- Diabetes mellitus
- Pancreatic carcinoma
- and other, more rare conditions like Shwachmann syndrome, Zollinger-Allinson syndrome etc.

The quantitative determination of the faecal pancreatic Elastase is effected by the use of high-tech polyclonal antibodies.

These polyclonal antibodies are generated against synthesised specific peptide sequences of the human pancreatic Elastase molecule.
Pancreatic Elastase ELISA SK15

The test version with the additional low standard SK15 (concentration 15µg Elastase/g stool)

- Especially for patient groups with cystic fibrosis
- Diagnosis of very low function of the exocrine pancreas

General advantages of determining the faecal pancreatic elastase

- Linear correlation of the concentration of pancreatic Elastase in faeces with the duodenal secretion
- High stability of the pancreatic Elastase in stool, enabling an easy sample transportation to the laboratory
- 5-6 fold higher concentration of the pancreatic Elastase in stool than in the duodenal pancreatics secretion
- Low intraindividual variability. Good results with only one pea-sized faecal sample.
- High sensitivity and specificity
- No invasive examination necessary; easy sample collection by the patient
- Contrary to the measurement of the enzyme activity the Elastase ELISA also detects already inactivated enzyme molecules (immunological detection)

Bibliography regarding the faecal Pancreatic Elastase ELISA from BioServ Diagnostics (please enquire for a comprehensive list of publications)


Ordering Information

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