Pyridoxal-5-phosphate FS*

Supplementary reagent for quantitative in vitro determination of ASAT (GOT) and ALAT (GPT) in serum or plasma on photometric systems

Order Information
Cat. No. Kit size
2 5010 99 10 030 6 x 3 mL

Method
Additional reagent for determination of ASAT (GOT) and ALAT (GPT) according to the IFCC method/DGKC standard method 1994

Principle
Addition of pyridoxal-5-phosphate (P-5-P) stabilizes the transaminases and prevents falsely low values in samples containing insufficient endogenous P-5-P, e.g. from patients with myocardial infarction, liver disease and intensive care patients [1].

Reagents
Components and Concentrations
Good’s buffer pH 9.6 0.1 mol/L
Pyridoxal-5-phosphate (P-5-P) 13.8 mmol/L

Storage Instructions and Reagent Stability
The reagent is stable up to the end of the indicated month of expiry, if stored at 2 – 8°C, protected from light and contamination is avoided. Do not freeze the reagents!

Warnings and Precautions
1. The reagent contains sodium azide (0.95 g/L) as preservative. Do not swallow! Avoid contact with skin and mucous membranes.
2. In very rare cases, samples of patients with gammopathy might give falsified results [4].
3. Please refer to the safety data sheets and take the necessary precautions for the use of laboratory reagents. For diagnostic purposes, the results should always be assessed with the patient’s medical history, clinical examinations and other findings.
4. For professional use only!

Waste Management
Please refer to local legal requirements.

Reagent Preparation
The reagent is ready to use for mixing with R1.
For use with ASAT (GOT) FS/ALAT (GPT) FS (Cat. No. 1 2601/1 2701):
Mix 100 parts of R1 with 1 part of Pyridoxal-5-phosphate FS e.g. 10 mL R1 + 100 µL P-5-P.

Stability of mixture:
6 days at 2 – 8°C
24 hours at 15 – 25°C

Literature

Manufacturer
DiaSys Diagnostic Systems GmbH
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65558 Holzheim
Germany

* fluid stable