

Pyridoxal-5-Phosphate FS*

Order Information

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

Intended Use

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

Method

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

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].

Reagent

Components and Concentrations

Good's buffer	pH 9.6	0.1 mol/L
Pyridoxal-5-phosphate	(P-5-P)	13.8 mmol/L

Storage and Stability

The reagent is stable up to the date of expiry indicated on the kit, if stored at 2–8°C and contamination is avoided. Protect the reagent from light.

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 [2].
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

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

1. Thomas L. Alanine aminotransferase (ALT), Aspartate aminotransferase (AST). In: Thomas L, editor. Clinical Laboratory Diagnostics. 1st ed. Frankfurt: TH-Books Verlagsgesellschaft; 1998. p. 55-65.
2. Bakker AJ, Mücke M. Gammopathy interference in clinical chemistry assays: Mechanisms, detection and prevention. Clin Chem Lab Med 2007; 45(): 1240–1243.



DiaSys Diagnostic Systems GmbH
Alte Strasse 9 65558 Holzheim Germany
www.diasys-diagnostics.com

* Fluid Stable