

Working

Yale - Aspartate Amino Transferase 👄

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ABSTRACT

Summary:

Procedure used to measure the activity of Aspartate Amino Transferase (AST). AST activity is measured by the enzymatically coupled reactions of AST (to form oxaloacetate from aspartate and α -ketoglutarate) and malate dehydrogenase (conversion of oxaloacetate to malate with oxdiation of NADH to NAD). The rate of NAD formation is monitored by the change in absorbance at 340 nm.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=207&docType=Protocol

MATERIALS

NAME Y	CATALOG # ~	VENDOR
Aspartate Amino Transferase Reagent	R85121	Prolabs(cliniqa)
Assayed Control Serum 1	R83082	Prolabs(cliniqa)
Assayed Control Serum 2	R83083	Prolabs(cliniqa)

MATERIALS TEXT

Reagent Preparation:

Aspartate Amino Transferase Reagent: Add the appropriate amount of water (6.5mL) to the reagent bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 1: Add the appropriate amount of water (6.5mL) to the chemical control bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

Assayed Control Serum 2: Add the appropriate amount of water (6.5mL) to the chemical control bottle. Invert to mix, allowing 15 minutes for the reagent to settle.

BEFORE STARTING

Analysis by automated system Cobas Mira Plus.

- 1 Calibrate Cobas for Aspartate Amine Transferase Activity analysis by running two assayed control serum.
- 2 Sample handling as performed by the Cobas Mira Plus.
 - a) Pipette 16 µL of sample into a cuvette slot.
 - b) Add 145 µL of Aspartate Amino Transferase Reagent.
 - c) Mixture is incubated at 37°C and spun for 10 minutes.

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