



# Teco Diagnostics

## Intended Use

For the quantitative determination of aspartate aminotransferase (AST) activity in human serum or plasma on TC Matrix analyzers.

## Principle

AST catalyzes the transfer of an amino group between L-aspartate and 2-oxoglutarate. The oxalacetate formed from the reaction is then reacted with NADH in the presence of malate dehydrogenase (MDH) to form NAD. AST activity is determined by measuring the rate of oxidation of NADH. The system monitors the change in absorbance at 340nm which is directly proportional to the AST activity in the sample.

## CONTACT US:

### TECO DIAGNOSTICS

1268 N. Lakeview Avenue  
Anaheim, CA 92807  
Tel: 714-463-1111  
Fax: 714-463-1169

#### Test:

AST(SGOT) Liquid Reagent (A559-780TM)

#### Number of Tests:

780 tests

#### Format:

Liquid

#### Method:

Kinetic

#### Testing Procedure:

Automated

#### Storage Temperature:

2-8°C

#### Wavelength:

340 nm

#### Linearity:

5-400 IU/L

#### Expected Values:

10-42 IU/L

#### Reagent Deterioration:

The reagent is stable for 14 days once opened.

#### Limitations of Procedure:

The anticoagulants potassium oxalate, sodium fluoride, and sodium citrate were found to be incompatible with this method.

Samples showing evidence of hemolysis should not be used.

Pyruvate at a level of 4 mg/dL may cause elevated results.