

## Product Datasheet

### Aspartate Aminotransferase (AST/GOT) Activity Colorimetric Assay Kit (orb1173220)

## Description

## Biorbyt CheKine Aspartate

Activity Colorimetric Assay Kit is designed for...

## Storage

Storage at 4°C and protected from light upon receipt. Kit has a storage time of 6 months form receipt.

## Note

For research use only

## Application notes

The kit provides a simple method for detecting AST/GOT activity in a variety of biological samples such as animal tissues, plant tissues, cell culture: adherent or suspension cells, serum, bacterial. In the assay, Aspartate aminotransferase (AST) catalyzes the transamination reaction of  $\alpha$ -ketoglutarate and L-aspartic acid at 37°C and pH 7.4 to produce glutamic acid and pyruvate; Pyruvate can interact with 2,4-Dinitrophenylhydrazine to produce pyruvate phenylhydrazone, which appears brownish red under alkaline conditions and has a characteristic absorption peak at 505 nm. The rate of pyruvate phenylhydrazone increase at 505 nm can reflect AST/GOT activity.

## Hazard Information

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

## Expiration Date

Please enquire.