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Product Datasheet

Aspartate Aminotransferase (AST/GOT) Activity Colorimetric Assay Kit BYT-ORB1173220

Article Name	Aspartate Aminotransferase (AST/GOT) Activity Colorimetric Assay Kit
Biozol Catalog Number	BYT-ORB1173220
Supplier Catalog Number	orb1173220
Alternative Catalog Number	BYT-ORB1173220-96
Manufacturer	Biorbyt
Category	Kits/Assays
Product Description	This kit detects AST/GOT activity by catalyzing the transamination of alpha-ketoglutarate and L-aspartic acid to produce pyruvate. The rate of absorbance increase at 505 nm is used to calculate AST/GOT activity....
Application Notes	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 37C 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