

**Product Name :**  
Batch Enzyme Reactor Apparatus

**Product Code :**  
CHINAELABC2790002



**Description :**

Batch Enzyme Reactor Apparatus

**Technical Specification :**

This is a reactor system specially designed to perform batch enzyme reaction utilizing the glucose isomerisation reaction catalyzed by glucose isomerase.

The unit is used to demonstrate batch enzyme kinetics and enzyme characteristics.

The reactors use the saponification reaction between ethyl acetate and sodium hydroxide.

This provides a well understood and safe reaction for the students to investigate the different reactor types.

Developed a set of algorithms which link the degree of conversions of the reactants to the electrical conductivity of the product.

In this way the progress of the reaction can be monitored in real time, without the inconvenience and inaccuracy of titration methods.

The fourth reactor - stirred tank reactor in series - is mounted on a dedicated unit.

**Features of Batch Enzyme Reactor**

Small bench top equipment

Real time reaction monitoring

Data logging facility available

Cost effective - 3 reactors share same service unit

Safe and student friendly

Four different types of reactor



**Engineering Lab China**