

Product Name :

Batch Enzyme Reactor Apparatus

Product Code :

Biochemical0003

**Description :**

Batch Enzyme Reactor Apparatus

Technical Specification :

Batch Enzyme Reactor Apparatus We are an accomplished organization which has gained name and fame in providing **Batch Enzyme Reactor Apparatus** to the customers. Manufactured using the best quality of material these products has high sturdiness, long life and resistance to damage. Moreover, this is a reactor system specially designed to perform batch enzyme reaction utilizing the glucose isomerization reaction catalyze by glucose isomerize.

Features:

- Sturdy construction
- Low maintenance
- Efficient functionality

Specification of Batch Enzyme Reactor:

- This is a reactor system specially designed to perform batch enzyme reaction utilizing the glucose isomerisation reaction catalyze 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 innaccuracy 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

Electrical and Electronics

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