

New BioFlow BF-7

*Easy Data Link
to Windows PC*

Rapid Autosampler BF-30AS



BF-7, Biosensor with immobilized enzyme electrodes, rapid and precise

All researchers and engineers are aspiring making the process efficiency. It is important to detect the change of material concentrations in bioprocess, in which material conversions are achieved by microorganisms, animal or plant cells. BF-7 is the indispensable instrument for all people working for bioprocess. You can be opened from complex business of the preprocessing and the examination of the analytical condition, etc. by this equipment.

Features

Specific detection by enzyme reaction

Easy operation based on the Flow injection analysis

❖ *Substrate specificity*

Influences of obstacles contained in the nutrient medium and the biological fluid is made a minimum by using the substrate specificity of enzymes. The electrochemical influence of reducing substance becomes a minimum by a newly developed hydrogen peroxide electrode, too.

❖ *Durability*

Electrodes with fragile enzymes such as alcohol oxidase can be used over 3 months.

❖ *Various Electrodes*

More than 30 kinds of compounds can be measured by exchanging electrodes. It is possible to deal with the variety of problem for research and the quality control.

❖ *Rapid*

30 seconds analysis in minimum. BF-7D can achieve simultaneous 2 components detection in one minute.

❖ *Easy PC link*

A great number of the result is kept in PC by Comma Separated Value with the data transfer software of a standard attachment.

Evolved BioFlow STAT

- ① Thermostat with Pertier unit
The high-precision determination not influenced by environmental temperature becomes possible.
- ② New hydrogen peroxide electrode
Newly developed planar detection system can achieve more stable detection.
- ③ New immobilization support
New wide bore rigid support can put it to practical use of fragile enzymes.
- ④ Touch panel operation
Intuitive and easy operation.
- ⑤ Abundant options
Manual injectors, high-speed samplers, on-line sampling system, waste fluid watch sensor, buffer loss sensor, etc.
- ⑥ Advanced analysis
Drift correction, 1st and 2nd linear least squares method can be done.
- ⑦ BFDC
BioFlow Data Collector can collect and keep your data in Windows PC.

Options



BF-96AS for microplate



BF-MS on-line sampling

Object to measure

Glucose, Sucrose, Lactose, Maltose, Maltoorigosugars, Xylose, Galactose, Fructose, Alcohol (methanol/ethanol), L-Lactate, D-Lactate, Pyruvate, L-Glutamate, L-Glutamine, L-Lysine, L-Arginine, L-Tyrosine, L-Phenylalanine, Glutathione, Tyramine, Histamine, Choline, Glycerol, Xanthine, Inosine, L-Ascorbate, L-Carnitine, NH⁴⁺, etc.

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