



Jobst

innovative
Sensor
Technology

BIOSENSORS

Multiparametric measurement with excellent long-term stability for continuous monitoring or analyzer operation mode



small smart solutions





BIOPROCESSING



CONSUMER HEALTHCARE



POINT OF CARE DEVICES



MEDICAL DEVICES



ANALYZER

iST Jobst produces and develops biosensors designed to measure concentration of **glucose, lactate, glutamine, pyruvate and glutamate** in complex biological media. Designed for continuous operation, our enzymatic biosensors deliver high specificity, excellent signal stability and reproducible performance over extended periods.

IV4 – Optimal for stable continuous single parameter dip-in applications

iST Jobst's IV4 biosensor is a flexible stripe with large form factor ideal for direct dipping in the measurement media. It is designed for the detection of a single analyte, glucose as standard. This sensor is ideal for applications that require in-line continuous measurement with high reliability.

- Excellent long-term stability
- Long shelf life
- Gamma and beta sterilization compatible
- Fast response time
- Outstanding reliability
- Reference, counter and blank electrodes on-chip
- Suitable for bioreactors or aseptic media



Product code
105191



sensor only



with housing

LV5 – Multi-parametric measurements

Our LV5 sensor is a flow-through biosensor and offers continuous multi-parametric readout. Up to 4 analytes can be measured simultaneously (glucose, lactate, glutamine, glutamate). The sensor features a very small flow cell (1 μ L) and therefore requires minimal sample volumes when used in analyzer mode.

- Excellent long-term stability over a month in continuous measurement mode
- Long shelf life
- Gamma and beta sterilization compatible
- Suitable for continuous and analyzer measurement modes
- Fast response time
- Reference, counter and blank electrodes on-chip
- Integrated flow cell
- Suitable as components for medical devices, bioreactor process control units, sampling systems in laboratories, and food and pharmaceutical industries



Product code
105117





iST offers a wide range of sensors based on different technologies suitable for any application.

Standard or customized

SIX Biosensor Transmitter – Evaluation kit for amperometric biosensors

The SIX Biosensor Transmitter enables a direct evaluation of LV5 and IV4 biosensors. It can be directly connected to a computer via USB or to any microprocessor via a standard TTL-serial interface. The evaluation software bioMON is also available for the acquisition of measurement data and its analysis in real time.

- USB connectivity for easy evaluation
- Very high electrical current measurement precision (approx. 20 pA)
- Very light weight
- Evaluation software bioMON available
- Current range can be factory-adjusted to meet specific requirements
- OEM version with serial interface for easy integration in custom developments
- 6 current channels with common reference and counter terminals



Product code
105452



Microfluidic accessories

iST Jobst offers a wide range of microfluidic products and services.

For more information on microfluidic actuators, connectors, flow cells and integrations, contact us.

Development & technology partner

Our core competencies at iST Jobst are in long-term stable enzymatic biosensor development and manufacturing, wafer-scale microfluidics and precision analytical systems. We support our customers through all steps along the innovation cycle, from concept to final product implementation.

Through close technical support, fast development processes and results and thorough ample expertise in sensors and sensor systems for life science applications, we are a trusted innovation partner for our world-wide customer base. Our activities include sensor customization, development of sensors for new target analytes as well as providing our core technologies for integration in sensors and systems.

Contact us to get direct technical support and assistance!

Disclaimer

Evaluation product for professionals to be used solely for research and development purposes!

Not for medical and diagnostic use. Not to be used for humans. For more information contact iST Jobst.

Customized sensor solutions for your application

Benefit from an agile co-creation of your next sensor solution. Use our competence at component level and focus on your added value for fast and successful product development - from simple design adaptations to new measuring principles: from concept prototyping to high-volume manufacturing.



Jobst Technologies GmbH
Georges-Köhler-Allee 302 · 79110 Freiburg · Germany
+49 761 5577 520 · info.jobst@ist-ag.com

www.ist-jobst.com