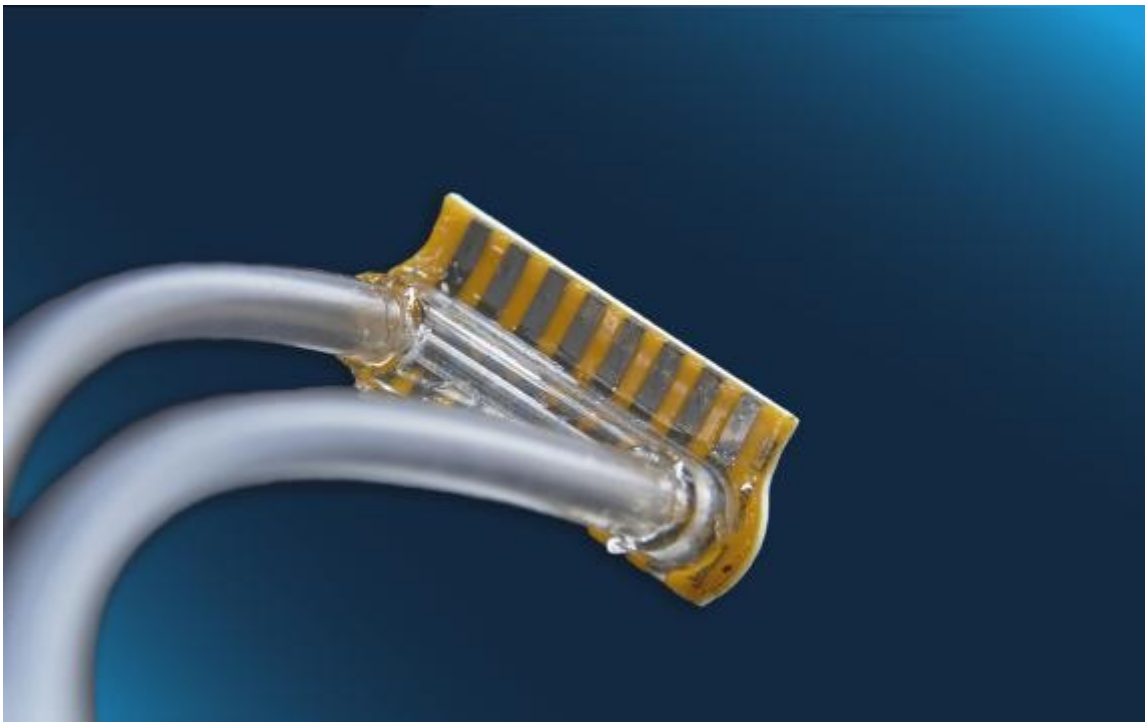
Biosensor LV5 for multiparametric measurement of Glucose and Lactate



Flow-through biosensor for measuring glucose and lactate as standard.

Flow-through biosensor for multiparametric measurement (Glucose and Lactate as standard). Glutamine and Glutamate measurement on request

Note: Not for medical, diagnostics and use on humans. For evaluation use only. For more information contact IST AG.

Product Name: B.LV5.GL.C010.ST.050.FPC
Analyte: Glucose, Lactate
Sensor dimensions: 10.0 x 4.0 x 0.4 mm (H with flow cell: 1.23 mm)
Construction type: Flow-through cell
Flow range rating: 0.3 µL to 1 µL
Fluidic connection: Ø inner: 0.5 mm (0.15 mm available upon request)
Working electrode: Platinum covered with enzyme membrane

Blank electrode: For background compensation
Reference electrode: Silver / silver chloride
Counter electrode: Platinum
Glucose measurement range: 0.05 mM to 25 mM / 0.01 to 4.5 g/l
Lactate measurement range: 0.02 mM to 15 mM / 0.002 to 1.5 g/l
Sterilization: Beta or gamma sterilization is possible (25 kGy typical); sensitivity increases upon radiation; lactate sensors life time is reduced;Initial bioburden < 1 cfu per sensor
Shelf life: >6 months (at recommended storage conditions)
Operational life time: > 2 weeks continuous operation; > 4 weeks in analyzer mode
Product code: 105117

Product details

Benefits & Characteristics of the LV5 sensor

- Excellent long-term stability over a month in continuous measurement mode (lifetime varies depending on various factors, including the analyte concentration and buffer system (medium) amongst others)
- Long shelf life (under appropriate environmental conditions)
- Gamma and beta sterilization compatible
- Suitable for continuous and analyzer measurement modes
- Fast response time (depends on the buffer system (medium))
- Reference, counter and blank electrodes on-chip
- Integrated flow cell (various volumes)

Disclaimer

Evaluation product for professionals to be used solely for research and development purposes! Not for medical and diagnostic use. Not to be used on humans. For more information contact IST AG.

Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

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