Biosensor IV4 for Lactate measurement



Flexible strip-type biosensor for dip-in applications

Flexible strip-type biosensor, optimal for dip-in applications. Designed for the detection of one single analyte (lactate as standard). Ideal for applications that require in-line continuous measurement with high reliability.

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

* **Sterilization**

Irradiation (beta, gamma)

- -recommended dose: < 25 kGy

- -sensitivity increases according to applied dose
- -lifetime decreases according to applied dose
- Initial bioburden < 1 CFU per sensor
- Do not use organic solvents, for more information, contact iST Jobst

Product Name: B.IV4.L.1X.JST
Analyte: Lactate
Sensor dimensions: 58.8/4 x 2.5/0.6 x 0.2 mm (L/L1 x W/W1 x H)
Construction type: strip-type with 4 electrodes: : 1x lactate, 1x blank, 1x reference, 1x counter
Working electrode: Platinum covered with enzyme membrane
Blank electrode: For background compensation
Reference electrode: Silver / silver chloride
Counter electrode: Platinum
Glucose measurement range: 0.1 mM to 50 mM
Sterilization: Irridiation (beta, gamma)
Shelf life: >6 months (at recommended storage conditions)
Operational life time: > 4 weeks in analyzer mode
Product Old code: 390.00340
Product code: 105191

Product details

Benefits & Characteristics of the IV4 biosensor

Further advantages of the IV4 biosensor include:

- Excellent long-term stability
- Long shelf life
- Gamma and beta sterilization compatible
- Fast response time and outstanding reliability
- Reference, counter and blank electrodes on-chip

Given its compatibility with gamma radiation, the IV4 sensor can be used for example in bioreactors or aseptic media.

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.

> Read more

The online shop

Quantity (pieces)	Price (per piece)
1-9	CHF 234.50
10-49	CHF 211.10
50-100	CHF 187.60

Stock: **0**