Biosensor IV4 for Glucose 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 (glucose 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 AG.

Product Name: B.IV4.G.1X.JST
Analyte: Glucose
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 glucose, 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: 0.05 mM to 25 mM / 0.01 to 4.5 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: > 4 weeks in analyzer mode
Product code: 105192

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.

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The online shop

Quantity (pieces)	Price (per piece)
1-19	CHF 234.50
10-49	CHF 211.10
50-100	CHF 187.60

Stock: **0**