Information sheet

Product:
Strip-type biosensor B.IV4
Part#: 100.101.013

Construction:
Lactate and Blank electrode
JST-SUR IDC connector cable

Operating principle:
Oxidase enzymes and Hydrogen peroxide oxidation @ Platinum @ +450mV vs internal Ag/AgCl

Sensitivity @37°C:
Lactate: 2.0nA/mM (t90%~25s)

Dynamic range @37°C:
Lactate: <0.05mM → 15mM

Time to first analysis after storage:
~15min @ 37°C

Operational stability @37°C:
Lactate >2 weeks continuous operation at 2mM
Lactate >4 weeks in analyzer mode
Decreased mainly by: higher analyte concentration
Daily variation <5% in sensitivity

Temperature influence:
~3.0%/°C

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.

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Interferences:

Very low sensitivity to other substances. Further minimized by difference measurement.

Storage:

Desiccated @ 4°C - 28°C. Freezing not adverse. Humidity matters more than temperature.

Sterilization:

Beta- or gamma radiation, 13 or 25 kGy typical
Sensitivity increases upon irradiation
Initial bioburden <1 cfu / device

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