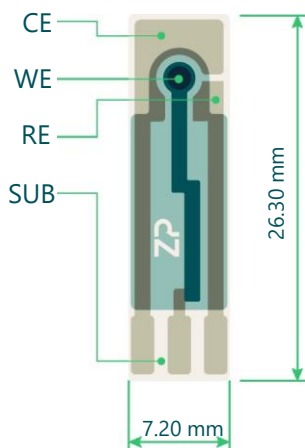


# LACTATE 501 SENSOR



## Sensor

### REFERENCE ELECTRODE (RE)

Silver/Silver Chloride

### WORKING ELECTRODE (WE)

Platinum with analyte selective coating

### COUNTER ELECTRODE (CE)

Silver/Silver Chloride

### SUBSTRATE (SUB)

PET

## Dimensions

Length	26.30 ± 0.10 mm
Width	7.20 ± 0.10 mm
Substrate thickness	0.30 ± 0.02 mm
Thickness with print	0.35 ± 0.02 mm
Weight	0.088 ± 0.001 g

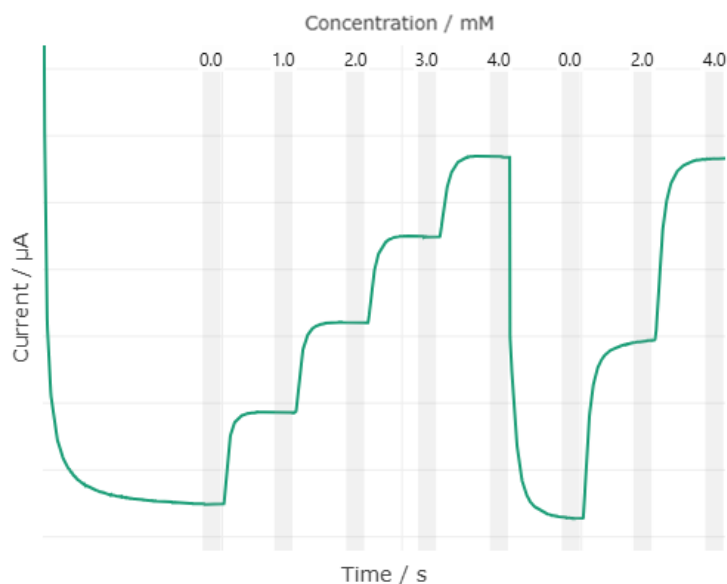
## General description

Sensor Name:	Lactate 501 sensor
Sensor Product Code:	ZPS LAC-000-00295
Revision number:	ZPS LAC-003-00295 v0.0

## Production description

Lactate 501 sensors are designed for measurement of L-lactate concentrations. They are suitable for disposable applications, as well as for scenarios where continuous measurement is essential. They can typically be reused when operated under recommended conditions.

## Performance



For the best possible outcome, we recommend using the sensor with ZP supplied potentiostats and our on-cloud data management system, djuli.



## Components and hazards

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Ingredients to be disclosed according to regulations:

Component (CAS nr.)	Hazards classification	Weight percent [%]
Silver (7440-22-4)	H400, H410	1-5 %
Silver Chloride (7783-90-6)	H400, H410	1-5 %

Take caution when handling these sensors, as there might be sharp parts and hazardous chemicals. Use personal protective equipment. Handle with gloves.

## Storage

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Recommended storage temperature 2-8°C, 20-50% RH. Keep dark, protect from exposure to UV-light. Keep sensor container tightly closed in a dry and well-ventilated place. Proper storage of sensors requires the sensing area to be facing upwards, free from any contact or interference. Recommended shelf life of 3 months.

## Disclaimer

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This product is for research and development applications only. This product is not suitable for drug, food or household applications. Product is not tested for biocompatibility and ZP takes no responsibility for in-vivo usage. It is intended to be used in aqueous systems. Please contact ZP for discussing your intended application.

Take caution when handling the sensors, as there might be sharp parts and chemical hazards. Use personal protective equipment.

## Developer note

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Zimmer and Peacock can also make customized sensors with the option to target other analytes than those listed in respective datasheet. We can offer different electrode configurations, geometry, and materials. Sensors are also available as micro well and microfluidic cavity formats. Please contact us through the contact form on [www.zimmerpeacock.com](http://www.zimmerpeacock.com) or by e-mail on [sales@zimmerpeacock.com](mailto:sales@zimmerpeacock.com) for questions regarding customized sensors.