



Providing solutions for day to day use in Laboratory, Research and Industry.

Electrochemistry & More.....

July 2020

Ultra Small Diameter Reference electrode

QM716X/1.5x100

Reference electrode 1.5mm OD x 100mm length

Application:

In a flowing electrolyte gas diffusion electrode CO₂ electrolyzer. As we strive to reduce the size of the electrolyte chamber (which in itself is 4 mm thick) to minimize the resistances and ionic distances. (source: University of Twente)



<https://www.prosense.net/en/products/electrode-reference/laboratory-electrode/qm716x-1-5x100/>

pH/ORP combination electrode

QP181X/ORP/Pt100/225/VP6

pH/ORP Combination electrodes with Pt100, 12mm OD x 225mm length, Multi-connector

Application:

Ideal to use for space saving application. Measures the pH (0-14), ORP (± 2000 mV) and temperature with 1 probe. The electrode is gel filled and can be used in application up to 100°C and 4 bar of pressure.

- ⇒ Available in different lengths and ATC's.
- ⇒ Ideal for (bio)reactors, Waste water, Extreme conditions.

<https://www.prosense.net/en/products/electrode-ph/laboratory-electrode/qp181x-orp-pt100-225/>



Electrodes for TIM – In Vitro Dynamic Gastrointestinal

QP121X/GEL/Elmeco

pH-electrode for TIM1 systems, Epoxy, Gel-filled, 12mm OD x 60mm length, 1m cable with BNC.

<https://www.prosense.net/en/products/electrode-ph/laboratory-electrode/qp121x-gel-elmeco/>

QP170X/TIM2

pH-electrode for TIM2 systems, Glass, Gel-Filled, 8mm OD x 60mm length, 2.5m cable with BNC.

<https://www.prosense.net/en/products/electrode-ph/laboratory-electrode/qp170x-tim2/>

Application:

The TIM systems accurately simulate the dynamic physiological processes and conditions within the GI tract, such as transit, body temperature, peristaltic movements, pH, gastric and intestinal enzymes and bile salts. The TIM-1 system represent the GI tract from the stomach through small intestine, while TIM-2 mimics the colon. (source: TNO Triskelion B.V.)



Electrochemical Detector Working electrodes for Thin-Layer Flowcells

BASi® working electrodes contain a cylinder of electrode material embedded in a PEEK block. The surface is polished to a mirror finish. The electrochemically active surface of the working electrode may be glassy carbon, gold, nickel, platinum, copper, or mercury/silver.

The actual electrochemically active surface(s) in a working electrode are the centrally located “dots” in the working electrode block, as illustrated below. In some cases there may be multiple working electrodes within a working electrode block. With multiple surfaces you can further optimize the detection of multiple analytes via dual or quad electrochemical detection.

- ⇒ Custom electrodes of non-listed material can be fabricated by special order

<https://www.prosense.net/en/products/voltammetry-basi/electrochemical-flowcell/?pagination=1>



New Microdialysis probes

Now offering **BR-1 and BR-3 microdialysis probes!** “BR” style probes are microdialysis probes that are implanted in the rat brain for sampling of small molecules. BASi now offers a BR probe with 1mm and 3mm membrane lengths.

Like BR-2 and BR-4 probes, BR-1 and BR-3 probes can be used with BR intracerebral guide cannulas.

QVMD-2202: BR-1 Brain Microdialysis Probe, 3/box

QVMD-2203: BR-3 Brain Microdialysis Probe, 3/box

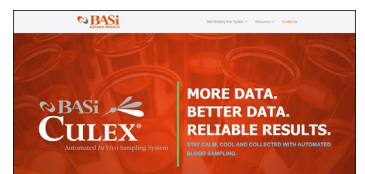
<https://www.prosense.net/en/products/microdialysis-basi/brain-br-style-probes/>



In Vivo

The Culex crew released a micro-site that is focused on the sales process of purchasing automated blood sampling systems. We encourage you and your team to utilize the site when discussing the Culex with prospective customers. To access the micro-site visit www.basi-culex.com.

In-vitro microdialysis experiments are commonly performed prior to in-vivo experiments to determine recovery rates of small molecules. An **application note** describing materials and methods required to perform an in-vitro microdialysis experiment is now available.



Product Updates

Packaging for the BASi Microdialysis Probes is changing. Currently, each package of microdialysis probes contains six individual probes. The number of probes included in each package will be **reduced from six to three**. These changes are scheduled for **August 3rd, 2020**.

Sample packs for microdialysis probes are now available! Included in each sample pack is one box of microdialysis probes, FEP tubing, tubing connectors, and one vial of aCSF.

NE300 Syringe Pump – Cost effective workhorse

NE-300 Single channel syringe pump - Just Infusion

- Holds 1 Syringe from micro-liter sizes up to 60 mL. (140 mL partially filled)
- Infusion rates from 0.73 μ L/hr (1 mL syringe) to 1500 mL/hr (60 mL syringe)
- Easy-to-use keypad user interface
- Selectable infusion rates units: mL/hr, μ L/hr, mL/min, μ L/min
- Infusion rate can be changed while pumping

<https://www.prosense.net/en/products/syringe-pumps/syringe-pumps/>

