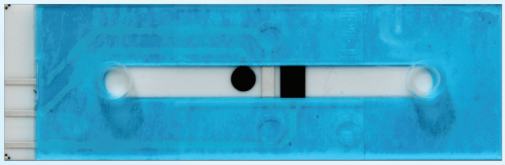
Thin-layer Flow-Cell Screen-Printed Electrodes Circular WE

Refs. TLFCL110-CIR
TLFCL210AT-CIR
TLFCL510-CIR

DropSens releases **Screen-Printed Electrodes integrated in one channel flow-cell** (TLFCL110-CIR, TLFLC210AT-CIR, TLFCL510-CIR). These electrodes are based on a three electrode electrochemical cell with a working electrode made of **carbon**, **gold** or **platinum,** an auxiliary electrode made of carbon and a reference electrode made of silver. The diameter of the WE is 4mm similar to our standard screen printed electrodes.

These devices are useful for working with **Flow Injection Analysis** (FIA) systems as well as for an easy control of the sample volume in **batch mode**. Due to the transparent cover that defines one channel (height 400μm, and 100μL of volume) a thin layer is formed over the electrochemical cell. The cover's transparency allows the detection of air bubbles inside the cell.

The integrated electrodes in thin layer flow cell design (TLFCL) are suitable to perform flow injection analysis. The slide is mounted over the screen-printed electrodes platform delimiting a flow channel. The injection is done through an "in-line luer injection port" (ref. TLFCL-INLINEPORT) where sample volume can be easily controlled by operator through a syringe. This configuration simplifies operability and effectiveness of working in FIA systems.

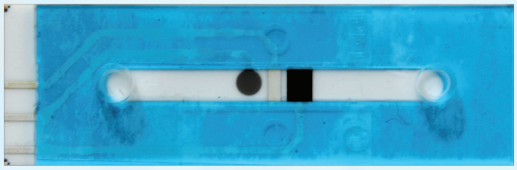


Ref. TLFCL110-CIR

Working electrode: Carbon (4 mm diameter)
Auxiliary electrode: Carbon
Reference electrode: Silver

Ref. TLFCL210AT-CIR

Working electrode: Gold AT(4 mm diameter)
Auxiliary electrode: Carbon
Reference electrode: Silver



Ref. TLFCL510-CIR

Working electrode: Platinum (4 mm diameter)
Auxiliary electrode: Carbon
Reference electrode: Silver

Screen-printed Electrodes offer several advantages such as avoiding tedious polishing of solid electrodes. They are suitable for decentralized assays, to develop specific (bio)sensors and other electrochemical studies.

These electrodes are commercialized in 10 units packs. They should be stored at room temperature, protected from light in a dry place.

Also, specific cable connectors ref. **CAC-TLFCL** that act as an interface between these electrodes and any kind of potentiostat, are available at ***DropSens***.

Related products

TLFCL-REFLECELL

FIAEC400

TLFCL-FLOWFITTING

CAC-TLFCL

TLFCL-INLINEPORT

SPELEC

Full Catalogue

Contact Form

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