

C⁴D Micronit Chip Electrophoresis Platform (ET225)



C⁴D MCE Platform

Description

The ER225 is designed for microchip electrophoresis with capacitively-coupled contactless conductivity detection (MCE-C⁴D). It should be used with chips with integrated C⁴D electrodes.

The platform is provided with five colour-coded cables with SHV (safe high voltage) connectors for the connection to the High Voltage Sequencer, and a cable for connection to the C⁴D unit.

The ER225 was designed with a slit running underneath it, along the length of the chip's separation channel. This allows an optical or fluorescence detector to be used simultaneously with the contactless conductivity detector.

It includes a safety interlock to switch off the HVS if the cover plate is lifted during the experiment. The platform has a grounding connector to minimize noise in the C⁴D signal.

- Compatible with chips with integrated C⁴D electrodes
- Supplied with high voltage cables and C⁴D unit cable
- Design allows for use of optical or fluorescence detectors
- Compatible with all eDAQ C⁴D units

The reservoirs can hold about 150 μ L of liquid. They incorporate the high voltage electrodes, to ensure safe and automatic contact with the solution. The reservoir wells were designed with sloping edges to allow the user to easily apply pressure or vacuum through the chip's channel using a syringe. O-rings ensure that a good seal between the reservoir and the chip is made every time.

Compatibility

Compatible with chips with integrated C⁴D electrodes, such as the ET145-4.

Can be used with any eDAQ C⁴D unit, such as the C⁴D Data System (ER225), C⁴D Amp (EA120) or C⁴D Detector (ER125).

Compatible with ER230 High Voltage Sequencer and EC20 Standard Test Solutions.