

## Micronit CE Chip for C<sup>4</sup>D (ET145-4)



Sensor electrodes located on the chip

CE Chip for C<sup>4</sup>D

- Integrated C<sup>4</sup>D electrodes on the chip
- Suitable for floating, gated and pinched injections
- Easy connections: simply drop into ET225 Platform
- Made from durable, chemically inert, non-porous glass

### Description

The ET145-4 chips have integrated C<sup>4</sup>D electrodes, for contactless conductivity detection. The connection between the C<sup>4</sup>D electrodes and the C<sup>4</sup>D unit is made automatically and securely when the chip is placed into the platform, via four round connectors.

The chips has a double-T geometry. It is suitable for different injection types, such as floating, gated or pinched injections.

The reservoirs have sloping edges to prevent rupturing the base of the chip with the pipette tip during sample loading. The triangular shape of the reservoirs is designed to minimize the formation of air bubbles in the reservoirs.

The chip is made of glass, a material which is chemically inert to most liquids and is stable over time. Glass is non-porous, so small molecules won't diffuse in and out of the material thereby contaminating samples.

The ET145-4 chips are compatible with the ET225 Platform. They come in a pack of four chips.

## Standard Test Solutions for C<sup>4</sup>D Applications (EC20)



Standard Test Solutions for C<sup>4</sup>D Applications

- Sample and background electrolyte
- Testing of both cations and anions
- For microchip and capillary electrophoresis experiments
- Includes CE instrument vials

### Description

These test solutions include a sample and a background electrolyte (BGE) for testing a C<sup>4</sup>D system in electro-osmotic flow (EOF) experiments. The separation can be performed by either microchip electrophoresis or capillary electrophoresis.

The sample contains three cations and three anions. This allows the solutions to be used to test the separation of both positive ions (lithium, potassium and sodium), as well as negative ions (chloride, nitrate and sulphate).

### Includes

The EC20 Standard Test Solutions, includes:

1. Sample and BGE vials (5 mL in sealed sterilised ampoules):
  - 1mM LiCl, KNO<sub>3</sub>, Na<sub>2</sub>SO<sub>4</sub> in deionised water (sample)
  - 0.5M acetic acid (BGE)
2. Two 1.5 mL sample vials, to fit into the CE instrument
3. Certified weight reports for the sample and BGE
4. Material Safety Data Sheet (MSDS)