



HICHROM

Chromatography Columns and Supplies

**GAS
CHROMATOGRAPHY
CE Capillaries**

Catalogue 9

Hichrom Limited

1 The Markham Centre, Station Road
Theale, Reading, Berks, RG7 4PE, UK

Tel: +44 (0)118 930 3660 Fax: +44 (0)118 932 3484

Email: sales@hichrom.co.uk www.hichrom.co.uk

CE CAPILLARIES

FunCap®-CE Series

- High reproducibility of migration time
- Fast analysis
- Compatible with wide pH range

GL Sciences manufacture the FunCap®-CE series of chemically modified fused silica capillaries. General purpose FunCap-CE capillaries are 1m in length, but with the detection window, have an effective length of 0.75m. For CE-MS, capillaries are 1.5m, with no detection window. Four types of chemical modifications are available. In addition, the FunCap-CE-V series capillaries, with high quality and performance, are available with an inspection report on the reproducibility of migration times.

FunCap-CE Type A The internal surface of the fused silica tubing is chemically modified by cationic groups. The electroosmotic flow (EOF) runs from anode to cathode, independent of pH, enabling usage in the pH range below 7.0. Type A capillary columns are suited for the analysis of cationic compounds.

FunCap-CE Type S The internal surface of the fused silica tubing is chemically modified by anionic groups. The EOF runs from cathode to anode, independent of pH, enabling usage in a wide pH range below 9.0.

FunCap-CE Type D This capillary is chemically modified by polar functional groups, resulting in less adsorption of proteins and therefore reduced deterioration of the capillary column surface.

FunCap-CE Type C In addition to lower protein adsorption, Type C capillary columns provide fast electroosmotic flow for protein analyses. These capillaries are suited for the analyses of acidic and neutral proteins.

Bare fused silica and deactivated fused silica capillaries are also available – please enquire for details.

Ordering Information

Description ¹	Capillary Length (m)	Type A	Type S	Type D	Type C	Price
For CE (with detection window)	1.0	1010-33012	1010-33010	1010-33013	1010-33011	
For CE-MS (without detection window)	1.5	1010-33022	1010-33020	1010-33023	1010-33021	
		Type A-V	Type S-V	Type D-V	Type C-V	Price
For CE-MS (without detection window)	1.0	1010-33032	1010-33030	1010-33033	1010-33031	
	1.5	1010-33042	1010-33040	1010-33043	1010-33041	

¹ All capillaries are 0.05mm i.d. and 0.375mm o.d.

MicroSolv CE Capillaries

MicroSolv Technology Corporation manufactures several ranges of capillaries for CE.

Simplus Capillaries™ These bare fused silica capillaries are 365µm (0.375mm) o.d. and available in 1m, 10m or 25m lengths.

Zero™ EOF Capillaries These are neutral coated capillaries designed to eliminate EOF and minimize wall interaction. They are suited to analysis of proteins, peptides or basic molecules.

Celerity CE™ Capillaries These have etched internal walls which increase surface area. Bonded phases include C18, C8, Diol, Butylphenyl and Cholesterol. Applications include hard to separate proteins, peptides or small molecules.

Controlled™ EOF Capillaries These capillaries are pH independent, so that the EOF does not change when the pH of the buffer is changed, encouraging reproducible CE and long capillary lifetime.

Please contact Hichrom for further technical details and ordering information on MicroSolv CE capillaries.

Detection Window Maker™

The detection Window Maker™ from MicroSolv is easy to use for all capillaries for CE. It can be used to remove 1-2mm of the polyimide coating from 365µm o.d. capillaries for detection by UV and LIF. The Window Maker is shipped with a standard 2mm module for burning the capillary.

Description	Catalogue No.	Price
Window Maker, 220/240 VAC, EU with 2mm module ¹	07300-S	
Replacement heating module, 2mm window	07201-S	

¹ Other size heating modules available – please enquire

