



# HICHROM

Chromatography Columns and Supplies

## APPENDICES Chromatographic Abbreviations

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](mailto:sales@hichrom.co.uk) [www.hichrom.co.uk](http://www.hichrom.co.uk)

A	Absorbance	IMAC	Immobilised metal-ion affinity chromatography
AA	Amino acid	IPA	Isopropanol (propan-2-ol)
ACN	Acetonitrile	IPC	Ion pair chromatography
ADP	Adenosine 5'-diphosphate	ISRP	Internal surface reversed-phase
AGP	$\alpha_1$ -acid glycoprotein	IUPAC	International Union of Pure and Applied Chemistry
amu	Atomic mass unit	LC-MS	Liquid chromatography-mass spectrometry
APS	Aminopropylsilyl	LDR	Linear dynamic range
ATP	Adenosine 5'-triphosphate	LDV	Low dead volume
AU	Absorbance units	LEC	Ligand exchange chromatography
AUFS	Absorbance units full scale	LIF	Laser-induced fluorescence
BDS	Base deactivated silica	LLE	Liquid/liquid extraction
BSA	Bovine serum albumin	MALDI	Matrix assisted laser desorption ionisation
CBH	Cellobiohydrolase	MECC	Micellar electrokinetic capillary chromatography
CCC	Countercurrent chromatography	MEKC	Micellar electrokinetic chromatography
CE	Capillary electrophoresis	MEPS	Microextraction in packed syringe
CEC	Capillary electrochromatography	MMSE	Monolithic material sorptive extraction
CFC	Chlorofluorocarbon	MS	Mass spectrometer
CI	Chemical ionisation	MSD	Mass-selective detection
CPS	Cyanopropylsilyl	MOS	Monooctylsilane
CSP	Chiral stationary phase	NIR	Near infrared
CT	Charge transfer	NP	Normal-phase
CZE	Capillary zone electrophoresis	NPR	Non-porous resin
DAC	Dynamic axial compression	ODS	Octadecylsilane
DACC	Donor-acceptor complex column	OPA	o-Phthalaldehyde
DAD	Diode array detection	PAD	Pulsed amperometric detection
Dabsyl	4-Dimethylaminoazobenzene-4-sulphonyl chloride	PAGE	Polyacrylamide gel electrophoresis
Dansyl	5-Dimethylaminonaphthalene-1-sulphonyl chloride	PAH	Polycyclic aromatic hydrocarbon
DCM	Dichloromethane	PAT	PEEK alloyed with Teflon
DEAE	Diethylaminoethyl	PCR	Polymerase chain reaction
DEG	Diethylene glycol	PCR	Post column reaction
DHPLC	Denaturing HPLC	PEEK	Polyetheretherketone
DMSO	Dimethyl sulphoxide	PEG	Polyethylene glycol
DNA	Deoxyribonucleic acid	PEI	Polyethyleneimine
DNPH	2,4-Dinitrophenylhydrazine	PEO	Polyethylene oxide
DRI	Differential refractive index	PID	Photoionisation detection
EC	Electrochemical	PK	Polyketone
ECD	Electrochemical detection	PLOT	Porous-layer open-tubular
EDTA	Ethylenediaminetetraacetic acid	PMMA	Polymethylmethacrylate
EI	Electron impact (or electron ionisation)	PRP	Polymeric reversed-phase
ELISA	Enzyme-linked immunosorbent assay	PS-DVB	Polystyrene-divinylbenzene
ELSD	Evaporative light-scattering detector	PTC	Phenylthiocarbonyl
EOF	Electroosmotic flow	PTFE	Polytetrafluoroethylene
ESI	Electrospray ionisation	PTH	Phenylthiohydantoin
FAB	Fast atom bombardment	PVA	Polyvinylalcohol
FAME	Fatty acid methyl ester	PVDF	Polyvinylidene difluoride
FFAP	Free fatty acid phase	RAM	Restricted access media
FIA	Flow-injection analysis	RI	Refractive index
FID	Flame ionisation detection	RP	Reversed-phase
FLEC	1-(9-Fluorenyl)ethyl chloroformate	SAX	Strong anion-exchanger
FMOC	9-Fluorenylmethoxycarbonyl chloride	SCOT	Support-coated open-tubular
FPD	Flame photometric detection	SCX	Strong cation-exchanger
FPLC	Fast protein liquid chromatography	SDS	Sodium decyl (or dodecyl) sulphate
FTIR	Fourier transform infrared	SEC	Size (or steric) exclusion chromatography
GC-MS	Gas chromatography-mass spectrometry	SFC	Supercritical fluid chromatography
GFC	Gel filtration chromatography	SFE	Supercritical fluid extraction
GLC	Gas-liquid chromatography	SIM	Selected (single) ion monitoring
GPC	Gel permeation chromatography	SLE	Solid-supported liquid-liquid extraction
HAC	Hydroxyapatite chromatography	SMB	Simulated moving bed
Hb	Haemoglobin	SPE	Solid phase extraction
HEMA	Hydroxyethylmethacrylate	SPME	Solid phase microextraction
HETP	Height equivalent to a theoretical plate	SPP	Superficially porous particle
HFBA	Heptafluorobutyric acid	SPS	Semi-permeable surface
HFIP	Hexafluoroisopropanol	SRM	Standard reference material
HIC	Hydrophobic interaction chromatography	TEAA	Tetraethylammonium acetate
HILIC	Hydrophilic interaction chromatography	TFA	Trifluoroacetic acid
HPIC	High performance (pressure) ion chromatography	THF	Tetrahydrofuran
HPLC	High performance liquid chromatography	TLC	Thin layer chromatography
HPTLC	High performance thin layer chromatography	TMS	Trimethylsilyl
HRGC	High resolution gas chromatography	UHPLC	Ultra high performance liquid chromatography
HSA	Human serum albumin	USP	United States Pharmacopoeia
IAM	Immobilised artificial membrane	WAX	Weak anion-exchanger
IC	Ion chromatography	WCX	Weak cation-exchanger
ICP	Inductively coupled plasma	WCOT	Wall-coated open-tubular
ICR	Ion cyclotron resonance	ZDV	Zero dead volume
IEC	Ion-exchange chromatography		