

Capillary Electrophoresis and Electrokinetic Chromatography

Adsorption on the silica wall 163, 170
 Advances in capillary electrophoresis, reviews 306, 563
 Affinity electrophoresis, capillary 165, 182, 218, 252, 290, 355, 356(review), 357, 670, 697, 750, 751, 1095
 Antibiotics (as chiral selectors), see various antibiotics
 Artificial neural network 11, 331
 Automation 403, 513, 780, 903(review), 1099
 Bubble cells 460
 Capillaries 23, 878(review)
 —, modification (coating) 13, 39, 141, 560(review), 603, 608, 615(review), 625, 651, 734, 908, 910(review), 1019, 1100
 —, —, dynamic 139, 913
 —, surface chemistry, unexpected 37
 Capillary array electrophoresis, general 197, 783, 792, 1073
 —, —, detection 198, 783
 Capillary chromatography, micellar (MEKC), buffer, zone concentration 573
 —, —, —, comparison with capillary electrochromatography 648
 —, —, —, —, capillary gel electrophoresis 234(review)
 —, —, —, —, capillary zone electrophoresis 286, 493, 768
 —, —, —, —, gas chromatography 109, 847
 —, —, —, —, liquid chromatography (HPLC) 648
 see also Capillary liquid chromatography in the Liquid chromatography section
 —, —, —, detection, see Detection and detectors
 —, —, —, enantiomer separation, see Enantiomer (and diastereomers) separation
 —, —, —, instrumentation, see Instrumentation for electrophoresis
 —, —, —, microemulsion, see Microemulsion electrokinetic chromatography
 —, —, —, modeling 331
 —, —, —, nonaqueous, see Nonaqueous capillary electrophoresis
 —, —, —, optimization 110, 324, 490, 768
 see also Optimization and specific optimized factors
 —, —, —, pH effects, see pH effects
 —, —, —, reviews 2, 138, 149, 234, 311, 561
 see also Reviews, applications to various fields of science and technology
 —, —, —, sample concentration, on-line 239, 241, 571, 572
 see also Sample concentration
 —, —, —, stacking 243, 938
 see also Sample stacking
 —, —, —, temperature, high 1004
 —, —, —, voltage, ultrahigh 117
 —, —, —, with additives (various) 12, 568
 —, —, —, bile acids (salts) 537
 see also various bile salts
 —, —, —, cellulose 166
 —, —, —, cholate 963
 —, —, —, cyclodextrin 134, 147, 663, 999, 1151
 see also Cyclodextrin(s) (and modified cyclodextrins)
 —, —, —, deoxycholate 286, 425
 —, —, —, fluorosurfactant 591, 612
 —, —, —, ion-pair reagent 815

Capillary chromatography, micellar (MEKC), with mixed micelles 147, 606, 803, 963
 —, —, —, molecular micelles 561(review)
 —, —, —, organic modifiers 243
 see also various modifiers
 —, —, —, poly(diallyldimethylammonium) 829
 —, —, —, siloxane polymers 14, 620
 —, —, —, surfactants, chiral 376
 —, —, —, —, polymeric 12, 311(review), 504, 614, 620, 940
 —, —, —, —, zwitterionic 321, 1178
 —, —, —, —, taurodeoxycholic acid 147
 Capillary chromatography, microemulsion, see Microemulsion electrokinetic chromatography
 Capillary electrochromatography, application 27, 113, 126, 267, 281, 424, 439, 462, 646, 709, 713, 796, 836, 852, 853, 931, 962, 984, 986, 1036, 1112, 1174
 —, chip 85, 95
 see also Chip electrophoresis
 —, —, columns 23, 24(review), 51, 55, 56, 62(review), 64-66, 68, 69, 141
 —, —, —, molecular imprinting 363
 —, —, —, monolithic 50, 52, 54-56, 67, 361, 366, 618, 676, 925, 927, 932, 935
 —, —, —, comparison with capillary electrophoresis 882, 950
 —, —, —, HPLC 648, 712
 —, —, —, MEKC 648
 —, —, —, SFC 882
 —, —, —, coupling with MS 47, 257, 260
 —, —, —, NMR 926
 —, —, —, SFE 360
 —, —, —, cyclodextrin 934, 947
 —, —, —, electroosmotic flow 63
 —, —, —, reversed 642
 —, —, —, enantiomer separation 51, 52, 54-56, 58, 64, 67-69, 361, 382, 516, 639, 640, 662, 665, 925, 932, 947, 984
 see also Enantiomer (and diastereomers) separation
 —, —, —, gradient elution 150, 936
 —, —, —, ion-exchange 299, 300, 382, 462, 551, 643, 652, 928
 —, —, —, ligand-exchange 58, 925
 —, —, —, miniaturization 57
 see also Capillary electrochromatography, chip
 —, —, —, modelling 551
 —, —, —, nonaqueous 640, 662, 947
 —, —, —, open tubular 141, 300, 635, 642, 651, 652, 665, 930, 934, 1100
 —, —, —, optimization 281
 —, —, —, preparative (semi) 637, 929
 —, —, —, review(s) 24, 49, 59, 62, 138, 149, 358, 368, 634, 645
 —, —, —, sample concentration, on-line 367, 635, 709, 1112
 —, —, —, stationary phases 359, 362, 368(review), 462, 613, 638-640, 645(review), 647, 653, 662, 665, 852, 909, 928, 933, 984
 —, —, —, —, vancomycin 359, 639
 —, —, —, theory 60, 578, 641
 —, —, —, electrophoresis, see Capillary zone electrophoresis

- Capillary electrophoresis, affinity, see Affinity electrophoresis, capillary
- — —, chip, see Chip electrophoresis
 - — —, electrostatic 557
 - — —, immunoassays 160, 216, 279
 - — —, instrumentation, see Instrumentation for electrophoresis
 - — —, nonaqueous, see Nonaqueous capillary electrophoresis
 - — —, on chip, see Chip electrophoresis
 - — —, reviews, see Review(s) section
 - — gel electrophoresis, comparison with CZE 748
 - — —, MEKC 234(review)
 - — —, detection see Detection and detectors
 - — —, enantiomer separation see Enantiomer separation
 - — —, galactomannans 611
 - — —, instrumentation, see Instrumentation for electrophoresis
 - — —, media, for non-crosslinked gels, see Capillary zone electrophoresis
 - — —, optimization 839
 - — —, Pluronic gel 766, 912(review)
 - — —, poly(*N,N*-dimethylacrylamide) 1083
 - — —, poly(ethylene oxide) 1076(review)
 - — —, poly(vinyl pyrrolidone) 621, 777
 - — —, (micro)preparative 1082
 - — —, review(s) 138, 234, 775, 912, 916, 1040, 1049, 1051, 1076, 1080
 - — —, temperature effect 779
 - — —, with SDS 181
- Capillary ion electrophoresis 226, 545, 552, 869
- see also Capillary zone electrophoresis
 - — —, isoelectric focusing, see Isoelectric focusing, capillary
 - — —, isotachophoresis, see Isotachophoresis, capillary
- Capillary zone electrophoresis (CZE), affinity, see Affinity electrophoresis, capillary
- — —, background electrolyte 566, 644(review)
 - — —, — — —, chiral, see Enantiomer (and diastereomers) separations
 - — —, — — —, ionic strength 1009
 - — —, — — —, nonaqueous, see Nonaqueous capillary electrophoresis
 - — —, — — —, optimization, see Optimization
 - — —, — — —, pH effect 1009
 - — —, — — —, with acetonitrile 1134
 - — —, — — —, cyclodextrin (and modified cyclodextrins), see Cyclodextrin(s)
 - — —, — — —, entangled polymer solution 609, 624
 - — —, — — —, glycerol 1061
 - — —, — — —, isoelectric buffers 447(review), 617
 - — —, — — —, organic modifiers, see various modifiers
 - — —, — — —, Pluronic F-127, see Capillary gel electrophoresis
 - — —, — — —, polyacrylamide, linear 781
 - — —, — — —, 2-propanol 823
 - — —, — — —, quinine carbamate 790
 - — —, — — —, spermine 1134
 - — —, — — —, tetrahydrofuran 524
 - — —, buffers, see Capillary zone electrophoresis, background electrolyte
 - — —, capillaries, see Capillaries
 - — —, chip, see Chip electrophoresis
 - — —, combination, see Electrophoresis, combination
 - — —, comparison with capillary chromatography, micellar 286, 493, 768
- Capillary zone electrophoresis, comparison with capillary gel electrophoresis 748
- — —, — — —, GC 687
 - — —, — — —, gel (plain) electrophoresis 748, 753
 - — —, — — —, HPLC 287, 527, 576, 679, 687, 723
 - see also Electrophoresis, comparison with HPLC
 - — —, — — —, coupling, see Electrophoresis, coupling; Electrophoresis, combination
 - — —, — — —, with capillary isotachophoresis, see Isotachophoresis, capillary, coupling with capillary electrophoresis
 - — —, — — —, derivatization, see Postcapillary reaction detection; Precolumn derivatization
 - — —, — — —, detection, see Detection and detectors
 - — —, — — —, enantiomer (and diastereomers) separations, see Enantiomers (and diastereomers), separation
 - — —, — — —, miniaturization, see Chip electrophoresis
 - — —, — — —, mobile phase, see Capillary zone electrophoresis, background electrolyte
 - — —, — — —, non-aqueous, see Nonaqueous capillary electrophoresis
 - — —, — — —, optimization 576, 768
 - see also Optimization
 - — —, — — —, organic solvent modifiers, see Capillary zone electrophoresis, background electrolyte
 - — —, — — —, precolumn derivatization, see Precolumn derivatization
 - — —, — — —, prediction of mobility 581
 - — —, — — —, preparative (and micropreparative), see Preparative (and micropreparative) electrophoresis
 - — —, — — —, reviews and books, see Review(s) sections
 - — —, — — —, sample stacking, see Sample stacking
 - — —, — — —, simulation, see Modeling
 - — —, — — —, solid-phase extraction, see Solid-phase extraction
 - — —, — — —, stacking see Sample stacking
 - — —, — — —, temperature effects, see Temperature effects
 - — —, — — —, thermodynamics, see Thermodynamic of electrophoresis
 - — —, — — —, troubleshooting, see Troubleshooting
- Chemometry 529, 721
- Chip electrophoresis 25, 85-87, 92, 102, 168, 202, 306(review), 335, 383, 389, 402, 403, 405, 429, 454, 458, 465, 467, 468, 471, 479, 480, 484, 550, 669-675, 703, 772, 786, 787, 791, 854, 958, 1048, 1078, 1084, 1086(review), 1087, 1147
- — —, affinity capillary electrophoresis 670
 - — —, capillary array 385
 - — —, chip design 385-387, 392, 395, 396, 407, 1078, 1078
 - — —, comparison with gel electrophoresis 383
 - — —, coupling with MS 429, 671-673
 - — —, — — —, MALDI 673
 - — —, detection 34, 86, 90, 102, 338, 339, 383, 396, 400, 406, 458, 550, 600, 676, 883, 899, 906
 - — —, electrochromatography 85, 95, 950
 - — —, electroosmotic flow 399, 669
 - — —, enantiomer(s) separation 101
 - — —, field-inversion 405
 - — —, isoelectric focusing 674, 953
 - — —, instrumentation 385-388, 392, 400, 402, 407, 675, 787, 906, 1078
 - — —, multichannel arrays 479
 - — —, pH gradient 390
 - — —, postcolumn labeling 168
 - — —, review(s) 206, 306, 391, 393, 952, 1086
 - — —, sample introduction 87, 92, 384, 388, 403, 454, 956

Chip electrophoresis, sample preparation 884
 — —, — stacking 370, 398
 — —, two-dimensional 950
 Chiral derivatization 151
 Computerization 42, 349, 452, 559(review), 848, 921, 1010
 see also Modeling
 Continuous electrophoresis 40, 256
 see also Preparative (and micropreparative) electrophoresis
 Crown ether (as chiral selector) 71, 942, 943
 Cyclodextrin(s) (and modified cyclodextrines) 70, 72(review), 80, 82, 83, 134, 140, 147, 223, 224, 232, 242, 245, 253, 263, 269, 373-375, 377, 382, 408, 409, 434, 487, 505, 512, 519, 526, 616, 660, 661, 663, 666-668, 695, 727, 808, 823, 829, 832, 861, 889, 919, 934, 941, 943, 944, 978, 993, 999, 1013, 1126, 1151
 Data analysis see Computerization
 Derivatization, fluorescence 746, 747, 749, 1020, 1038, 1088, 11110, 1111
 —, on column 155, 747, 1107
 —, review 149, 313
 see also Chiral derivatization; Precolumn derivatization
 Detection and detectors, amperometric 31, 87, 102, 215, 230, 338, 426, 455, 501, 588, 604, 834, 840, 994
 see also Detection and detectors, electrochemical
 — —, carbon sol-gel-derived platform 30
 — —, chemiluminescence 550, 594(review), 596, 598, 603, 678, 899, 1168
 — —, —, indirect 1168
 — —, —, conductivity 396, 588, 590, 643, 654, 659, 694, 883, 900
 — —, —, electrochemical 90, 137, 144, 159, 161, 337(review), 339, 342, 406, 412, 438, 558, 597, 600, 677, 690, 902, 948, 998, 1096, 1122, 1150
 see also Detection and detectors, amperometric
 — —, —, fluorescence 137, 154, 474, 477, 595, 676, 736, 903(review), 906
 — —, —, —, laser induced 27, 33, 86, 116, 127, 134, 135, 151, 152, 166, 198, 211, 216, 220, 255, 270, 272, 341, 374, 383, 410, 433, 473, 503, 602, 691, 697, 715, 716, 728, 731, 746, 749, 750, 798, 802, 806, 818, 820, 842, 863, 993, 996, 1014, 1028, 1110, 1111, 1134
 — —, —, —, —, indirect 601
 — —, —, —, line narrowing spectroscopy 340(review)
 — —, —, —, near-IR 481
 — —, —, indirect 234(review), 296, 297, 303, 422(review), 643, 694, 699, 702, 706, 869, 899, 904, 1168, 1173, 1176
 — —, —, luminescence 599
 — —, —, new 35, 558
 — —, —, photochemical reaction 598
 — —, —, photodiode array 217, 656, 1035, 1093, 1136
 — —, —, polarimeter 602
 — —, —, potentiometric 32, 588
 — —, —, —, pulsed 36
 — —, —, radioactivity 84
 — —, —, reaction 145
 — —, —, refractive index 146
 — —, —, thermometry 905
 Dielectrophoresis 862
 DNA-fingerprinting, see structural studies in individual entries in the List of Types of Compounds Chromatographed
 Electrochromatography, see Capillary electrochromatography

Electrokinetic chromatography, see Capillary chromatography, micellar; Microemulsion electrokinetic chromatography
 Electroosmotic flow 15, 63, 204, 399, 582, 669
 — —, control 38, 225, 607
 — —, imaging 887
 — —, monitoring 897
 — —, relationship between pH 584
 — —, reversed 642, 721, 872, 1140
 Electrophoresis, combination with flow injection 824
 — —, —, fluorescence spectroscopy at 77K 1127, 1152
 — —, —, Fourier transform in cyclotron resonance mass spectrometry 744
 — —, —, HPLC 737, 1173
 — —, —, immunoassay 312(review), 728, 1031
 — —, —, MALDI (matrix-assisted laser desorption/ionization mass spectrometry) 46, 157, 354, 626, 630, 673, 692, 760
 — —, —, MS, off-line 125
 — —, comparison with enzymatic determination 701
 — —, —, GC 109, 410, 687, 847
 — —, —, gel electrophoresis, plain 383, 748, 753
 — —, —, HPLC 158, 162, 174, 190, 221, 227(review), 277, 280, 287, 453, 506, 527, 648, 679, 687, 712, 723, 730, 743, 800, 844, 866(review), 960, 1113, 1154
 — —, —, isoelectrophoresis, gel 753
 — —, —, SFC (supercritical fluid chromatography) 882
 — —, coupling with AES (atomic emission spectrometry) 1165
 — —, —, FIA (flow injection analysis) 44(review), 629(review)
 — —, —, fluorescence biosensor detection 43(review)
 — —, —, HPLC 160
 — —, —, MALDI (matrix-assisted laser desorption/ionization mass spectrometry), see Electrophoresis, combination with MALDI
 — —, —, MS 45, 47, 48, 91, 104, 169, 174, 257, 260, 268, 276, 279, 294, 351-353, 419, 429, 436, 464, 494, 508, 518, 627(review), 631(review), 632(review), 671-673, 719, 744, 826, 850, 922(review), 923, 924, 955, 966, 977, 985, 1015, 1034, 1041, 1058-1061, 1071, 1099, 1130, 1133
 — —, —, MS/MS 185, 522, 649(review), 892, 1008, 1128
 — —, —, NMR 628(review), 926
 — —, —, solid-phase extraction 190, 513, 523, 537(review), 655, 824, 922(review), 1131
 — —, —, supercritical fluid extraction (SFC) 336, 360
 — —, hyphenation 350(review)
 Electrophoretic mobility, see Mobility, electrophoretic
 Enantiomers (and diastereomers), separation 51, 52, 54-56, 58, 64, 67-71, 73, 74, 76-80, 83, 101, 140, 147, 151, 152, 158, 224, 240, 242, 253, 256, 263, 269, 361, 373-377, 380, 382, 409, 432, 434, 435, 487, 505, 512, 516, 519, 525, 526, 616, 639, 640, 660-668, 695, 724, 727, 790, 792, 793, 801, 808, 820-823, 826, 827, 832, 861, 917, 921, 925, 932, 939-944, 946-948, 978, 984, 988, 992, 999, 1013, 1016, 1113, 1123, 1126, 1128, 1157
 — —, review(s) 5, 72, 75, 81, 250, 365, 371, 372, 378, 379, 381, 945
 Field inversion capillary electrophoresis 1052(review)
 Fingerprinting, see Peptide mapping and structural studies in individual entries in the List of Types of Compounds Chromatographed
 Flow injection 44(review), 596, 629(review), 824
 Fluorescence correlation, two-dimensional 18
 Footprinting, see Nucleotide mapping and structural studies in individual entries in the List of Types of Compounds Chromatographed
 Fraction collection 918(review)

- Free flow electrophoresis 40, 94, 345, 742, 917
see also Capillary zone electrophoresis
- Frit effects 28
- Glycopeptide antibiotics, as chiral selector 978
- History of capillary electrophoresis 318
- Hydroorganic background electrolyte 348
- Immunoaffinity capillary electrophoresis 436
- Instrumentation for electrophoresis 22(review), 23, 24(review), 25, 26, 94, 97(review), 205, 335, 588, 589, 898
see also appropriate entries under Capillary zone electrophoresis; Detection and detectors, new
- Isoelectric focusing, capillary 8, 21, 42, 93, 138(review), 171, 177, 650(review), 674, 736, 763, 816
—, —, chip 953
—, —, coupling with MS 169
Isotachophoresis, capillary 259, 369(review), 657, 707, 809, 886, 1124
—, —, coupling with capillary electrophoresis 73, 132, 654, 656, 658, 1068
—, —, on chip 703
—, chip 654, 659
- Liquid-liquid extraction 326, 820, 959
- Liquid-phase microextraction 521, 1129
- Macrocyclic antibiotics, as chiral selectors 381(review), 506, 801, 939
- Mathematical methods, see Computerization; Modeling
- Membrane extraction 316(review), 322(review)
- Microdialysis 1000
- Microemulsion electrokinetic chromatography 19(review), 325, 534, 567, 633, 911, 957(review), 967, 1118
- Microwave-assisted extraction 329(review)
- Miniaturization in electrophoresis, *see* Chip electrophoresis
- Mobility, electrophoretic 581, 1161
- Modeling 41, 42, 285, 331, 348, 349, 551, 580, 721, 867, 919, 948, 1010
see also Computerization
- Multicapillary capillary electrophoresis 198
see also Capillary array electrophoresis
- Multidimensional capillary electrophoresis 88, 89
- Multiplexed capillary electrophoresis 26, 208
- Neural networks, artificial, *see* Artificial neural network
- Nonaqueous capillary electrophoresis 91, 96(review), 105, 229, 254, 268, 273, 404(review), 523, 575, 607, 686, 988, 1093, 1127, 1131, 1133, 1144, 1152, 1159
—, —, —, enantiomer(s) separation 77, 82, 372(review), 380, 988
- Nucleotide mapping, *see* structural studies in individual entries in the List of Types of Compounds Chromatographed
- Optical imaging, whole column 42
- Optimization 1(review), 11, 17(review), 26, 41, 110, 130, 264, 266, 281, 324, 349, 490, 576(review), 621, 750, 768, 776, 839, 867, 948
see also pH effects
- Patch clamp detection 592
- Peak, overlapping 347
- Peptide mapping, *see* structural studies in individual entries in the List of Types of Compounds Chromatographed
- pH effects 619, 727, 1009
see also Capillary zone electrophoresis, background electrolyte, pH effect
- Phase residence times 894
- Planar chip technology, *see* Chip electrophoresis
- Polysaccharides, as chiral selectors 74
- Postcapillary reaction detection 593
- Precision in capillary electrophoresis, review 310
- Precolumn derivatization 151, 154, 171, 231, 746, 749, 998-1000, 1020, 1038, 1088, 1110, 1111
- Prediction of mobility 581
- Preparative (and microseparative) electrophoresis 99, 742, 917, 929, 1082
see also Continuous electrophoresis
- Pressure assisted capillary electrophoresis 813
- Principal component analysis 1007
- Pulsed-field capillary electrophoresis 1062(review)
- Repeatability, *see* Validation
- Review(s), advances 306, 563
- , affinity electrophoresis, capillary 356
- , applications to various fields of science and technology 16, 118-120, 124, 129, 138, 148, 149, 175, 196, 217, 219, 227, 236, 249, 250, 283, 284, 431, 440, 444-447, 475, 511, 549, 562, 574, 585, 587, 636, 720, 722, 725, 738, 741, 745, 773-775, 782, 799, 810, 811, 849, 855-857, 870, 874, 875, 877, 879-881, 912, 922, 987, 1002, 1022, 1023, 1044, 1045, 1057, 1065, 1070, 1074, 1077, 1080, 1102, 1119, 1149, 1160, 1170
—, automation 903
—, background electrolytes 644
—, capillaries 878
—, capillary chromatography, micellar 2, 138, 149, 234, 311, 561
—, —, electrochromatography 24, 49, 59, 62, 138, 149, 358, 368, 634, 645
—, —, gel electrophoresis 138, 234, 775, 912, 916, 1040, 1049, 1051, 1076, 1080
—, —, modification (coating) 560, 615, 910
—, —, zone electrophoresis *see* various review(s) sections
- , chip electrophoresis 206, 306, 391, 393, 952, 1086
- , combination with immunoassays 312
- , comparison with HPLC 227, 576, 866
- , computerization 559
- , coupling with biosensor detection 43
- , —, — FIA 44, 629
- , —, — MS 627, 631, 632, 922, 1058-1061
- , —, — MS/MS 649
- , —, — NMR 628
- , —, — SPE (solid-phase extraction) 922
- , cyclodextrins 72
- , derivatization 149, 313
- , detection, chemiluminescence 594
- , —, electrochemical 337
- , —, fluorescence 903
- , —, indirect 234, 422
- , —, line-narrowing spectroscopy 340
- , electrochromatography 24, 49, 59, 62, 138, 149, 358, 368, 634, 645
- , enantiomer separation 5, 72, 75, 81, 250, 365, 371, 372, 378, 379, 381, 945
- , field inversion capillary electrophoresis 1052
- , fraction collection 918
- , hyphenation 350
- , instrumentation 22, 24, 97
- , isoelectric focusing 138, 650
- , isotachophoresis 369
- , liquid-liquid extraction 326

Review(s), macrocyclic antibiotics, as chiral selectors 381
—, membrane extraction 316, 322
—, microemulsion electrokinetic chromatography 19, 957
—, microwave-assisted extraction 329
—, miniaturization, *see Review(s), chip electrophoresis*
—, nonaqueous capillary electrophoresis 96, 372, 404
—, optimization 1, 17, 576
—, pulsed-field capillary electrophoresis 1062
—, precision in capillary electrophoresis 310
—, sample preconcentration 309, 315, 316, 320, 322, 326
—, —, on-line 1025
—, —, preparation 308, 315, 316
—, —, stacking 327, 328
—, single cell analysis 3
—, solid-phase extraction 320, 537
—, —, microextraction 533
—, theory 19, 307
RNA mapping, *see structural studies in individual entries in the List of Types of Compounds Chromatographed*
Sample application (injection) 87, 92, 384, 388, 403, 454, 564
— concentration 896
— enrichment 172
— field-amplified 1115, 1145
— injection, multiple 343
— injector 589, 956, 1096
— preconcentration 309(review), 315(review), 316(review), 320(review), 322(review), 326(review), 954
 see also Sample stacking
—, on-line 239, 241, 367, 571, 572, 635, 709, 730, 805, 924, 1015, 1025(review), 1068, 1112
 see also Sample stacking
— preparation, review 308, 315, 316

Sample stacking 7, 243, 327(review), 328(review), 370, 398, 509, 683, 807, 938, 1012, 1098, 1145
Simulation, *see Modeling*
Single cell analysis 3(review), 593
Single-strand conformation polymorphism 207, 211
Solid-phase extraction 142, 190, 229, 238, 271, 320, 769, 1099, 1116, 1136, 1138
— —, coupling with capillary electrophoresis 190, 513, 523, 537(review), 655, 824, 922(review), 1131
— microextraction 533(review), 830
Software, *see Computerization*
Split-flow thin fractionation 949
SSCP (single-strand conformation polymorphism) capillary electrophoresis 383, 542
Standardization 9
Supercritical fluid extraction, coupling with capillary electrophoresis 336, 360
Teicoplanin (as chiral selector) 380, 821
Temperature changes 10
— effects 577, 619, 779
—, high 1004
—, inside capillaries 330
Testing for capillary electrophoresis 319
Theory of electrophoresis 19(review), 20, 60, 307(review), 314, 570, 641, 893, 920
Thermal reversible hydrogel modified capillary electrophoresis 135, 216
Thermodynamic of electrophoresis 317
Troubleshooting 565, 566
Validation 42, 131, 228, 266, 275, 817, 821, 839, 1108
Wall deactivation 612