

# CITATION REPORT

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## Hemato-critical issues in quantitative analysis of dried blood spots: challenges and solutions

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#	Paper	IF	Citations
198	Potassium-based algorithm allows correction for the hematocrit bias in quantitative analysis of caffeine and its major metabolite in dried blood spots. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 6749-55	4.4	50
197	CYP1A2 phenotyping in dried blood spots and microvolumes of whole blood and plasma. <i>Bioanalysis</i> , <b>2014</b> , 6, 3011-24	2.1	13
196	Emerging liquid chromatography-mass spectrometry technologies improving dried blood spot analysis. <b>2014</b> , 11, 425-30		10
195	Sensitive quantification of IGF-1 and its synthetic analogs in dried blood spots. <i>Bioanalysis</i> , <b>2014</b> , 6, 2651-62	2.6	17
194	Spot them in the spot: analysis of abused substances using dried blood spots. <i>Bioanalysis</i> , <b>2014</b> , 6, 2211-27	2.1	59
193	Therapeutic drug monitoring by dried blood spot: progress to date and future directions. <b>2014</b> , 53, 961-73		212
192	Current strategies for coping with the hematocrit problem in dried blood spot analysis. <i>Bioanalysis</i> , <b>2014</b> , 6, 1871-4	2.1	65
191	Why dried blood spots are an ideal tool for CYP1A2 phenotyping. <b>2014</b> , 53, 763-71		15
190	Automated high-capacity on-line extraction and bioanalysis of dried blood spot samples using liquid chromatography/high-resolution accurate mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 2415-26	2.2	20
189	Dried blood spots and their role in bioanalysis. <b>2015</b> , 194-208		
188	Application of oral fluid and dried blood spots as a matrix for roadside drug testing. <b>2015</b> , 94-109		1
187	Dried blood spot sampling for therapeutic drug monitoring. <b>2015</b> , 66-78		
186	Analysis of dried blood spots in forensic toxicology. <b>2015</b> , 80-92		1
185	Hepcidin determination in dried blood by microfluidic LC-MS/MS: comparison of DBS and volumetric absorptive microsampling for matrix effect and recovery. <i>Bioanalysis</i> , <b>2015</b> , 7, 2789-99	2.1	23
184	New microfluidic-based sampling procedure for overcoming the hematocrit problem associated with dried blood spot analysis. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2068-71	7.8	72
183	Does volumetric absorptive microsampling eliminate the hematocrit bias for caffeine and paraxanthine in dried blood samples? A comparative study. <i>Analytica Chimica Acta</i> , <b>2015</b> , 881, 65-73	6.6	96
182	Applying dried blood spot sampling with LCMS quantification in the clinical development phase of tasquinimod. <i>Bioanalysis</i> , <b>2015</b> , 7, 179-91	2.1	4

181	A critical review of the state of the art of solid-phase microextraction of complex matrices III. Bioanalytical and clinical applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 71, 249-264	14.6	173
180	Dried blood spots for monitoring and individualization of antiepileptic drug treatment. <b>2015</b> , 75, 25-39		32
179	Dried blood spot analysis for rat and dog studies: validation, hematocrit, toxicokinetics and incurred sample reanalysis. <i>Bioanalysis</i> , <b>2015</b> , 7, 869-83	2.1	10
178	Comparing the novel method of assessing PrEP adherence/exposure using hair samples to other pharmacologic and traditional measures. <b>2015</b> , 68, 13-20		56
177	Multiple Reaction Monitoring Enables Precise Quantification of 97 Proteins in Dried Blood Spots. <b>2015</b> , 14, 3094-104		66
176	Potential missing steps for a wide use of dried matrix spots in biomedical analysis. <i>Bioanalysis</i> , <b>2015</b> , 7, 2375-2385	2.1	9
175	First report on the pharmacokinetics of tramadol and O-desmethyltramadol in exhaled breath compared to plasma and oral fluid after a single oral dose. <b>2015</b> , 98, 502-10		26
174	Assays for therapeutic drug monitoring of $\beta$ -lactam antibiotics: A structured review. <b>2015</b> , 46, 367-75		65
173	Are capillary DBS applicable for therapeutic drug monitoring of common antipsychotics? A proof of concept. <i>Bioanalysis</i> , <b>2015</b> , 7, 2119-30	2.1	18
172	Cocaine and metabolite concentrations in DBS and venous blood after controlled intravenous cocaine administration. <i>Bioanalysis</i> , <b>2015</b> , 7, 2041-56	2.1	20
171	Hematocrit-independent recovery of immunosuppressants from DBS using heated flow-through desorption. <i>Bioanalysis</i> , <b>2015</b> , 7, 2019-29	2.1	18
170	Novel membrane devices and their potential utility in blood sample collection prior to analysis of dried plasma spots. <i>Bioanalysis</i> , <b>2015</b> , 7, 1987-2002	2.1	30
169	Dried Blood Spot Technique for the Monitoring of Ambrisentan, Bosentan, Sildenafil, and Tadalafil in Patients with Pulmonary Arterial Hypertension. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 12112-20	7.8	18
168	Advances in detection of antipsychotics in biological matrices. <i>Clinica Chimica Acta</i> , <b>2015</b> , 441, 11-22	6.2	39
167	The use of dried blood spots for quantification of 15 antipsychotics and 7 metabolites with ultra-high performance liquid chromatography - tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2015</b> , 7, 502-11	3.5	32
166	Capillary Microsampling of Mouse Blood in Early Pre-Clinical Studies: A Preferred Alternative to Dried Blood Spot Sampling. <b>2016</b> , 08,		2
165	Alternative Sampling Strategies for Therapeutic Drug Monitoring. <b>2016</b> , 279-336		11
164	The Use of Dried Blood Spots for Pharmacokinetic Monitoring of Vemurafenib Treatment in Melanoma Patients. <b>2016</b> , 56, 1307-12		22

163	Validation and Clinical Evaluation of a Novel Method To Measure Miltefosine in Leishmaniasis Patients Using Dried Blood Spot Sample Collection. <b>2016</b> , 60, 2081-9		14
162	Application of dried blood spots to determine vitamin D status in a large nutritional study with unsupervised sampling: the Food4Me project. <b>2016</b> , 115, 202-11		33
161	Porous membrane strip microsampling: a dried biofluid collection format and application for quantitative enzyme immunoassay. <b>2016</b> , 8, 4835-4843		4
160	Dried blood spots analysis with mass spectrometry: Potentials and pitfalls in therapeutic drug monitoring. <b>2016</b> , 49, 1035-46		77
159	Microwave-assisted on-spot derivatization for gas chromatography-mass spectrometry based determination of polar low molecular weight compounds in dried blood spots. <b>2016</b> , 1465, 175-83		9
158	A DBS method for quantitation of the new oral trypanocidal drug fexinidazole and its active metabolites. <i>Bioanalysis</i> , <b>2016</b> , 8, 2045-63	2.1	1
157	Quantitative determination of opioids in whole blood using fully automated dried blood spot desorption coupled to on-line SPE-LC-MS/MS. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 30-8	3.5	49
156	Uncertainty in Antibiotic Dosing in Critically Ill Neonate and Pediatric Patients: Can Microsampling Provide the Answers?. <b>2016</b> , 38, 1961-75		19
155	A Book-Type Dried Plasma Spot Card for Automated Flow-Through Elution Coupled with Online SPE-LC-MS/MS Bioanalysis of Opioids and Stimulants in blood. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11229-11237	7.8	29
154	A Novel, Nondestructive, Dried Blood Spot-Based Hematocrit Prediction Method Using Noncontact Diffuse Reflectance Spectroscopy. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6538-46	7.8	50
153	Alternative sampling strategies for the assessment of alcohol intake of living persons. <b>2016</b> , 49, 1078-91		29
152	Hematocrit-Independent Quantitation of Stimulants in Dried Blood Spots: Pipet versus Microfluidic-Based Volumetric Sampling Coupled with Automated Flow-Through Desorption and Online Solid Phase Extraction-LC-MS/MS Bioanalysis. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6789-96	7.8	31
151	Opening the toolbox of alternative sampling strategies in clinical routine: A key-role for (LC-)MS/MS. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 84, 61-73	14.6	23
150	A clinical validation study for application of DBS in therapeutic drug monitoring of antidepressants. <i>Bioanalysis</i> , <b>2016</b> , 8, 413-24	2.1	9
149	Quantification of phosphatidylethanol 16:0/18:1, 18:1/18:1, and 16:0/16:0 in venous blood and venous and capillary dried blood spots from patients in alcohol withdrawal and control volunteers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 825-38	4.4	42
148	Alternative Sampling Strategies for Cytochrome P450 Phenotyping. <b>2016</b> , 55, 169-84		8
147	Estimation of hematocrit in filter paper dried bloodspots by potassium measurement: advantage of use of perimeter ring samples over circular center sub-punch samples. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 53-57	5.9	4
146	Quantification by nano liquid chromatography parallel reaction monitoring mass spectrometry of human apolipoprotein A-I, apolipoprotein B, and hemoglobin A1c in dried blood spots. <b>2017</b> , 11, 1600103		19

145	Quantification of multiple elements in dried blood spot samples. <b>2017</b> , 50, 703-709		24
144	Quantitation of Fentanyl Analogs in Dried Blood Spots by Flow-Through Desorption Coupled to Online Solid Phase Extraction Tandem Mass Spectrometry. <b>2017</b> , 9, 3876-3883		13
143	Application of volumetric absorptive microsampling device for quantification of tacrolimus in human blood as a model drug of high blood cell partition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 143, 168-175	3.5	34
142	Alternative sampling strategies for the assessment of biomarkers of exposure. <b>2017</b> , 4, 43-51		6
141	Development of a dried blood spot HPLC-PDA method for the analysis of linezolid and ciprofloxacin in hospital-acquired pneumonia patients. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 1611-1619	3.5	8
140	Iron isotopic analysis of finger-prick and venous blood by multi-collector inductively coupled plasma-mass spectrometry after volumetric absorptive microsampling. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 314-321	3.7	14
139	Volumetric absorptive microsampling (VAMS) as an alternative to conventional dried blood spots in the quantification of miltefosine in dried blood samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 135, 160-166	3.5	46
138	Validation, quality control, and compliance practice for mass spectrometry assays in the clinical laboratory. <b>2017</b> , 63-76		1
137	Spotting of external calibration standards on blank dried blood spots as a resource-sparing protocol. <i>Bioanalysis</i> , <b>2017</b> , 9, 1441-1450	2.1	1
136	Beyond dried blood spot: Current microsampling techniques in the context of biomedical applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 97, 326-332	14.6	33
135	Sponge Spray-Reaching New Dimensions of Direct Sampling and Analysis by MS. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11592-11597	7.8	13
134	LC-MS determination of triazolam and its hydroxy metabolites in mouse dried blood spots: application to transgenic mouse pharmacokinetic studies. <i>Bioanalysis</i> , <b>2017</b> , 9, 987-1000	2.1	6
133	Volumetric adsorptive microsampling-liquid chromatography tandem mass spectrometry assay for the simultaneous quantification of four antibiotics in human blood: Method development, validation and comparison with dried blood spot. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 145, 704-710	3.5	33
132	Automated high throughput analysis of antiretroviral drugs in dried blood spots. <b>2017</b> , 52, 534-542		17
131	Dried blood spot sampling of nilotinib in patients with chronic myeloid leukaemia: a comparison with venous blood sampling. <b>2017</b> , 69, 1265-1274		20
130	Volumetric absorptive microsampling at home as an alternative tool for the monitoring of HbA1c in diabetes patients. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 462-469	5.9	39
129	Dried blood spot analysis of gabapentin as a valid alternative for serum: a bridging study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 132, 72-76	3.5	5
128	ANALYSIS OF 6-MERCAPTOPYRINE AND 6-METHYLMERCAPTOPYRINE IN DRIED BLOOD SPOTS USING LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY AND ITS APPLICATION IN CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA PATIENTS. <b>2017</b> , 10, 120		4

127	Study of measurement of the alcohol biomarker phosphatidylethanol (PEth) in dried blood spot (DBS) samples and application of a volumetric DBS device. <i>Clinica Chimica Acta</i> , <b>2018</b> , 479, 38-42	6.2	26
126	Correction for the Hematocrit Bias in Dried Blood Spot Analysis Using a Nondestructive, Single-Wavelength Reflectance-Based Hematocrit Prediction Method. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1795-1804	7.8	32
125	Dried matrix spots and clinical elemental analysis. Current status, difficulties, and opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 99, 75-87	14.6	36
124	Quantitation of 25-hydroxyvitamin D in dried blood spots by 2D LC-MS/MS without derivatization and correlation with serum in adult and pediatric studies. <i>Clinica Chimica Acta</i> , <b>2018</b> , 481, 61-68	6.2	19
123	Determination of warfarin and warfarin alcohols in dried blood spots by ultra-high performance liquid chromatography coupled to electrospray ionization-tandem mass spectrometry (UHPLC-ESI-MS/MS). <i>Microchemical Journal</i> , <b>2018</b> , 136, 247-254	4.8	5
122	State of the Science in Dried Blood Spots. <b>2018</b> , 64, 656-679		83
121	Quantitation of salbutamol using micro-volume blood sampling - applications to exacerbations of pediatric asthma. <b>2018</b> , 55, 1205-1213		6
120	Dried blood spots in therapeutic drug monitoring and toxicology. <b>2018</b> , 14, 1-3		13
119	The effect of hematocrit on solid-phase microextraction. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1001, 40-50	6.6	13
118	Prediction of haematocrit in dried blood spots from the measurement of haemoglobin using commercially available sodium lauryl sulphate. <b>2018</b> , 55, 363-367		15
117	Evaluation of the Capitainer-B Microfluidic Device as a New Hematocrit-Independent Alternative for Dried Blood Spot Collection. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12893-12899	7.8	22
116	Application of a micro plasma collection card for the detection of homocysteine by liquid chromatography with tandem mass spectrometry. <b>2018</b> , 41, 4167-4176		6
115	Dried Blood Spots for Global Health Diagnostics and Surveillance: Opportunities and Challenges. <b>2018</b> , 99, 256-265		66
114	Letter to the Editor Regarding Afshar et al. (2017): Cut-Point Levels of Phosphatidylethanol to Identify Alcohol Misuse in a Mixed Cohort Including Critically Ill Patients. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2018</b> , 42, 2061-2063	3.7	2
113	Investigation of dried blood sampling with liquid chromatography tandem mass spectrometry to confirm human exposure to nerve agents. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1033, 100-107	6.6	6
112	Dried-Blood-Spot Technique to Monitor Direct Oral Anticoagulants: Clinical Validation of a UPLC-MS/MS-Based Assay. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9395-9402	7.8	22
111	Development of a hematocrit-insensitive device to collect accurate volumes of dried blood spots without specialized skills for measuring clozapine and its metabolites as model analytes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2018</b> , 1087-1088, 70-79	3.2	15
110	Wet absorptive microsampling at home for HbA1c monitoring in diabetic children. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2018</b> , 56, e291-e294	5.9	9

109	Comparing pharmacologic measures of tenofovir exposure in a U.S. pre-exposure prophylaxis randomized trial. <b>2018</b> , 13, e0190118		15
108	Preanalytical Processing and Biobanking Procedures of Biological Samples for Metabolomics Research: A White Paper, Community Perspective (for "Precision Medicine and Pharmacometabolomics Task Group"-The Metabolomics Society Initiative). <b>2018</b> , 64, 1158-1182		81
107	Investigation of the 12-Month Stability of Dried Blood and Urine Spots Applying Untargeted UHPLC-MS Metabolomic Assays. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14306-14313	7.8	19
106	Application of volumetric absorptive microsampling (VAMS) to measure multidimensional anti-influenza IgG antibodies by the mPlex-Flu assay. <b>2019</b> , 3, 332-343		13
105	Evaluation of the Performance and Hematocrit Independence of the HemaPEN as a Volumetric Dried Blood Spot Collection Device. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14467-14475	7.8	18
104	Preanalytical considerations in therapeutic drug monitoring of immunosuppressants with dried blood spots. <b>2019</b> , 6, 57-68		8
103	Determination of haemoglobin derivatives in aged dried blood spot to estimate haematocrit. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2019</b> , 57, 1026-1034	5.9	1
102	Hematocrit effect on dried blood spots in adults: a computational study and theoretical considerations. <b>2019</b> , 79, 325-333		6
101	Fully automated therapeutic drug monitoring of anti-epileptic drugs making use of dried blood spots. <b>2019</b> , 1601, 95-103		24
100	Clinical determination of folates: recent analytical strategies and challenges. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4383-4399	4.4	3
99	Cost-Effective HPLC-UV Method for Quantification of Vitamin D and D in Dried Blood Spot: A Potential Adjunct to Newborn Screening for Prophylaxis of Intractable Paediatric Seizures. <b>2019</b> , 67, 88-95		5
98	Evaluation of Dried Blood Spot Sampling for Clinical Metabolomics: Effects of Different Papers and Sample Storage Stability. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	16
97	A Dried Blood Spot Analysis for Solithromycin in Adolescents, Children, and Infants: A Short Communication. <i>Therapeutic Drug Monitoring</i> , <b>2019</b> , 41, 761-765	3.2	1
96	Official International Association for Therapeutic Drug Monitoring and Clinical Toxicology Guideline: Development and Validation of Dried Blood Spot-Based Methods for Therapeutic Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , <b>2019</b> , 41, 409-430	3.2	91
95	Identification of the factors affecting the consistency of DBS formation via experimental design and image processing methodology. <i>Microchemical Journal</i> , <b>2019</b> , 145, 1003-1010	4.8	3
94	Juvenile rat and pediatric trazodone studies: how to gain extra sensitivity to overcome bioanalytical challenges. <i>Bioanalysis</i> , <b>2019</b> , 11, 21-32	2.1	
93	Monitoring of direct alcohol markers in alcohol use disorder patients during withdrawal treatment and successive rehabilitation. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 859-869	3.5	14
92	LC-MS in Drug Analysis. <i>Methods in Molecular Biology</i> , <b>2019</b> ,	1.4	2



91	Determination of Cocaine and Metabolites in Dried Blood Spots by LC-MS/MS. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1872, 261-272	1.4	3
90	Volumetric absorptive microsampling as an alternative sampling strategy for the determination of paracetamol in blood and cerebrospinal fluid. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 181-191	4.4	12
89	Quantification of cocaine and cocaine metabolites in dried blood spots from a controlled administration study using liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 709-720	3.5	12
88	Should phosphatidylethanol be currently analysed using whole blood, dried blood spots or both?. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2019</b> , 57, 617-622	5.9	3
87	Dried blood spots for reliable biomonitoring of poly- and perfluoroalkyl substances (PFASs). <i>Science of the Total Environment</i> , <b>2019</b> , 655, 1420-1426	10.2	8
86	Is the hematocrit still an issue in quantitative dried blood spot analysis?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 163, 188-196	3.5	90
85	Using the PCI-IS Method to Simultaneously Estimate Blood Volume and Quantify Nonvitamin K Antagonist Oral Anticoagulant Concentrations in Dried Blood Spots. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 2511-2518	7.8	5
84	Dried Blood Microsampling-Based Therapeutic Drug Monitoring of Antiepileptic Drugs in Children With Nodding Syndrome and Epilepsy in Uganda and the Democratic Republic of the Congo. <i>Therapeutic Drug Monitoring</i> , <b>2020</b> , 42, 481-490	3.2	6
83	Technological advancement in dry blood matrix microsampling and its clinical relevance in quantitative drug analysis. <i>Bioanalysis</i> , <b>2020</b> , 12, 1483-1501	2.1	1
82	Analytical Chemistry in the 21st Century: Challenges, Solutions, and Future Perspectives of Complex Matrices Quantitative Analyses in Biological/Clinical Field. <i>Analytical Chemistry and Chemical Analysis</i> , <b>2020</b> , 1, 44-59	1.4	8
81	Hematocrit prediction in volumetric absorptive microsamples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 190, 113491	3.5	7
80	Dried blood microsample-assisted determination of vitamins: Recent developments and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 132, 116057	14.6	4
79	Use of capillary dried blood for quantification of intact IGF-I by LC-HRMS for antidoping analysis. <i>Bioanalysis</i> , <b>2020</b> , 12, 737-752	2.1	9
78	Evaluating an easy sampling method using dried blood spots to determine vedolizumab concentrations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 185, 113224	3.5	8
77	Development of a dried blood spot sampling method towards therapeutic monitoring of radotinib in the treatment of chronic myeloid leukaemia. <i>Journal of Clinical Pharmacy and Therapeutics</i> , <b>2020</b> , 45, 1006-1013	2.2	6
76	Barriers and opportunities for the clinical implementation of therapeutic drug monitoring in oncology. <i>British Journal of Clinical Pharmacology</i> , <b>2021</b> , 87, 227-236	3.8	6
75	Analysis of six different homologues of phosphatidylethanol from dried blood spots using liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 140-147	3.5	3
74	Quantitation of phosphatidylethanol in dried blood after volumetric absorptive microsampling. <i>Talanta</i> , <b>2021</b> , 223, 121694	6.2	3



73	Dried Blood Spot Self-Sampling with Automated Capillary Electrophoresis Processing for Clinical Analysis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 6133-6140	3.6	0
72	Dried Blood Spot Self-Sampling with Automated Capillary Electrophoresis Processing for Clinical Analysis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6068-6075	16.4	0
71	Determination of Cu in blood via direct analysis of dried blood spots using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 1666-1677	3.7	4
70	Patient-Centric Assessment of Thiamine Status in Dried Blood Volumetric Absorptive Microsamples Using LC-MS/MS Analysis. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 2660-2668	7.8	4
69	Alternative Sampling Devices to Collect Dried Blood Microsamples: State-of-the-Art. <i>Therapeutic Drug Monitoring</i> , <b>2021</b> , 43, 310-321	3.2	8
68	Evaluation of 92 cardiovascular proteins in dried blood spots collected under field-conditions: Off-the-shelf affinity-based multiplexed assays work well, allowing for simplified sample collection. <i>BioEssays</i> , <b>2021</b> , 43, e2000299	4.1	1
67	The Double Face of Ketamine-The Possibility of Its Identification in Blood and Beverages. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
66	Reviewing the metabolome coverage provided by LC-MS: Focus on sample preparation and chromatography-A tutorial. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1147, 38-55	6.6	11
65	Evaluation of dried blood spots as an alternative matrix for therapeutic drug monitoring of abiraterone and delta(4)-abiraterone in prostate cancer patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 195, 113861	3.5	4
64	Microsampling Devices for Routine Therapeutic Drug Monitoring-Are We There Yet?. <i>Therapeutic Drug Monitoring</i> , <b>2021</b> , 43, 322-334	3.2	2
63	A Dilute and Shoot Liquid Chromatography-Mass Spectrometry Method for Multiclass Drug Analysis in Pre-Cut Dried Blood Spots. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
62	The Evolving Role of Microsampling in Therapeutic Drug Monitoring of Monoclonal Antibodies in Inflammatory Diseases. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
61	Determination of Vitamin A Total Body Stores in Children from Dried Serum Spots: Application in a Low- and Middle-Income Country Community Setting. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 1341-1346	4.1	0
60	Mind the Quality Gap When Banking on Dry Blood Spots. <i>Biopreservation and Biobanking</i> , <b>2021</b> , 19, 136-142	1.4	3
59	Dried blood spots in doping analysis. <i>Bioanalysis</i> , <b>2021</b> , 13, 587-604	2.1	10
58	Dried Blood Spot Technique Applied in Therapeutic Drug Monitoring of Anticancer Drugs: a Review on Conversion Methods to Correlate Plasma and Dried Blood Spot Concentrations. <i>Pharmaceutical Research</i> , <b>2021</b> , 38, 759-778	4.5	7
57	Volumetric absorptive microsampling (VAMS) as a reliable tool to assess thiamine status in dried blood microsamples: a comparative study. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 1200-1207	7	0
56	Factors associated with phosphatidylethanol (PEth) sensitivity for detecting unhealthy alcohol use: An individual patient data meta-analysis. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2021</b> , 45, 1166-1187	3.7	5

55	Volumetric Absorptive Microsampling as an Alternative Tool for Biomonitoring of Multi-Mycotoxin Exposure in Resource-Limited Areas. <i>Toxins</i> , <b>2021</b> , 13,	4.9	1
54	Alternative Sampling Strategies in Therapeutic Drug Monitoring: Microsampling Growing Toward Maturity. <i>Therapeutic Drug Monitoring</i> , <b>2021</b> , 43, 307-309	3.2	4
53	Microsampling: A role to play in Covid-19 diagnosis, surveillance, treatment and clinical trials. <i>Drug Testing and Analysis</i> , <b>2021</b> , 13, 1238-1248	3.5	1
52	Can dried blood spots be used to accurately measure vitamin D metabolites?. <i>Clinica Chimica Acta</i> , <b>2021</b> , 518, 70-77	6.2	0
51	Solutions for hematocrit bias in dried blood spot hormone analysis. <i>Bioanalysis</i> , <b>2021</b> ,	2.1	2
50	Dried matrix spots in forensic toxicology. <i>Bioanalysis</i> , <b>2021</b> ,	2.1	
49	Hematocrit and standardization in DBS analysis: A practical approach for hormones mainly present in the plasma fraction. <i>Clinica Chimica Acta</i> , <b>2021</b> , 520, 179-185	6.2	2
48	Determination of paracetamol and its metabolites via LC-MS/MS in dried blood volumetric absorptive microsamples: A tool for pharmacokinetic studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 206, 114361	3.5	1
47	Validation of a simple liquid chromatography coupled to tandem mass spectrometry method for the simultaneous determination of tacrolimus, sirolimus, everolimus and cyclosporin A in dried matrix on paper discs. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , <b>2021</b> , 19, 7-19		1
46	Development, validation, and application of a quantitative volumetric absorptive microsampling-based method in finger prick blood by means of LC-HRMS/MS applicable for adherence monitoring of antipsychotics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 1729-1737	4.4	6
45	Quantitation of Tacrolimus in Human Whole Blood Samples Using the MITRA Microsampling Device. <i>Therapeutic Drug Monitoring</i> , <b>2021</b> , 43, 364-370	3.2	3
44	testing of the hemaPEN microsampling device for the quantification of acetaminophen in human blood. <i>Bioanalysis</i> , <b>2020</b> , 12, 1725-1737	2.1	3
43	Precise sample metering method by coordinated burst action of hydrophobic burst valves applied to dried blood spot collection. <i>Lab on A Chip</i> , <b>2021</b> , 21, 4445-4454	7.2	1
42	Therapeutic drug monitoring of ganciclovir: where are we?. <i>Therapeutic Drug Monitoring</i> , <b>2021</b> , 44,	3.2	2
41	The performance of dried blood spots for the assessment of lead exposure: A narrative review with a systematic search. <i>Microchemical Journal</i> , <b>2022</b> , 172, 106930	4.8	1
40	Evaluation and analytical applicability of a novel volumetric absorptive microsampling strategy for adherence monitoring of antihypertensive drugs by means of LC-HRMS/MS. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1187, 339137	6.6	0
39	Near-infrared-based hematocrit prediction of dried blood spots: An in-depth evaluation. <i>Clinica Chimica Acta</i> , <b>2021</b> , 523, 239-246	6.2	2
38	Development of an LC-MS/MS method to simultaneously quantify therapeutic mAbs and estimate hematocrit values in dried blood spot samples. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1189, 339231	6.6	2

37	Development and validation of an assay for the measurement of gentamicin concentrations in dried blood spots using UHPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 208, 114448	3.5	0
36	Volumetric absorptive microsampling as a suitable tool to monitor tyrosine kinase inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 207, 114418	3.5	3
35	Advantages and Challenges of Dried Blood Spot Analysis by Mass Spectrometry Across the Total Testing Process. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , <b>2016</b> , 27, 288-317	2.4	60
34	Determination of polymyxin B in dried blood spots using LC-MS/MS for therapeutic drug monitoring.. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2022</b> , 1192, 123131	3.2	1
33	Methodological aspects of dried blood spot sampling for the determination of isoprostanoids and prostanoids. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107212	4.8	0
32	Direct multi-class DESI-MS/MS method for the analysis of sleep inducers and ototoxic drugs in Dried Blood Spots.. <i>Rapid Communications in Mass Spectrometry</i> , <b>2022</b> , e9265	2.2	0
31	Automated Sequential Injection-Capillary Electrophoresis for Dried Blood Spot Analysis: A Proof-of-Concept Study.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	2
30	Therapeutic Drug Monitoring of Tyrosine Kinase Inhibitors Using Dried Blood Microsamples.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 821807	5.3	1
29	Therapeutic Drug Monitoring as a Tool for Therapy Optimization.. <i>Drug Metabolism Letters</i> , <b>2022</b> ,	2.1	
28	Dried Samples of Biological Fluids on Porous Membranes as a Promising Sample Preparation Method for Biomedical and Veterinary Diagnostics. <i>Journal of Analytical Chemistry</i> , <b>2022</b> , 77, 410-428	1.1	0
27	Promising Tools to Facilitate the Implementation of TDM of Biologics in Clinical Practice. <i>Journal of Clinical Medicine</i> , <b>2022</b> , 11, 3011	5.1	0
26	Clinical validation of a liquid chromatography-tandem mass spectrometry method for the quantification of calcineurin and mTOR inhibitors in dried matrix on paper discs. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , <b>2022</b> ,		
25	Dried Blood Spots technology for veterinary applications and biological investigations: technical aspects, retrospective analysis, ongoing status and future perspectives. <i>Veterinary Research Communications</i> ,	2.9	0
24	Dried blood spots in clinical lipidomics: optimization and recent findings. <i>Analytical and Bioanalytical Chemistry</i> ,	4.4	0
23	The Clinical Validation Of A Dried Blood Spot Method For Simultaneous Measurement Of Cyclosporine A, Tacrolimus, Creatinine, And Hematocrit. <b>2022</b> ,		0
22	Use of Antibiotics in Preterm Newborns. <b>2022</b> , 11, 1142		1
21	Hemoglobin normalization outperforms other methods for standardizing dried blood spot metabolomics: A comparative study. <b>2023</b> , 854, 158716		0
20	Dried Blood Spots in Therapeutic Drug Monitoring and Toxicology. <b>2022</b> , 43-66		0

19	In-depth evaluation of automated non-contact reflectance-based hematocrit prediction of dried blood spots.	1
18	Closing the gap –development of an analytical methodology using volumetric absorptive microsampling of finger prick blood followed by LC-HRMS/MS for adherence monitoring of antihypertensive drugs.	0
17	Volumetric dried blood microsampling for monitoring imatinib mesylate therapy: Method development and clinical application in patients with chronic myeloid leukemia. <b>2023</b> , 222, 115108	0
16	Stability and Feasibility of Dried Blood Spots for Hepatitis E Virus Serology in a Rural Setting. <b>2022</b> , 14, 2525	1
15	Bioanalytical method validation and sample analysis for nirmatrelvir in dried blood collected using the Tasso-M20 device. <b>2022</b> , 14, 1305-1315	0
14	DRIED BLOOD MICROSAMPLING-ASSISTED THERAPEUTIC DRUG MONITORING OF IMMUNOSUPPRESSANTS: AN OVERVIEW. <b>2022</b> , 463724	0
13	A fast and validated LC-MS/MS method to quantify lenvatinib in dried blood spot. <b>2023</b> , 115255	0
12	A simple and rapid HPLC-MS/MS method for therapeutic drug monitoring of amikacin in dried matrix spots. <b>2023</b> , 123592	0
11	Fully soluble polymeric foams for in-vial dried blood spot collection and analysis of acidic drugs by capillary electrophoresis. <b>2023</b> , 1241, 340793	0
10	Liquid chromatography-tandem mass spectrometry for therapeutic drug monitoring of immunosuppressants and creatinine from a single dried blood spot using the Capitainer <sup>®</sup> qDBS device. <b>2023</b> , 1242, 340797	0
9	Volumetric Absorptive Microsampling to Enhance the Therapeutic Drug Monitoring of Tacrolimus and Mycophenolic Acid: A Systematic Review and Critical Assessment. <b>2023</b> , Publish Ahead of Print,	0
8	Analytical and clinical validation of an LC-MS/MS method for carbamazepine, lamotrigine and levetiracetam in dried blood spots. ejhpharm-2022-003589	0
7	Ceramides biomarkers determination in quantitative dried blood spots by UHPLC-MS/MS. <b>2023</b> , 1255, 341131	0
6	In-vial dried urine spot collection and processing for quantitative analyses. <b>2023</b> , 1254, 341071	0
5	Quantification of 25-hydroxyvitamin D2 and D3 in Mitra <sup>®</sup> devices with volumetric absorptive microsampling technology (VAMS <sup>®</sup> ) by UHPLC-HRMS for regular vitamin D status monitoring. <b>2023</b> , 228, 115314	0
4	Capillary blood as a complementary matrix for doping control purposes. Application to the definition of the individual longitudinal profile of IGF-1. <b>2023</b> , 227, 115274	0
3	Precision sirolimus dosing in children: The potential for model-informed dosing and novel drug monitoring. 14,	0
2	Model-Informed Target Morning 17 $\beta$ -Hydroxyprogesterone Concentrations in Dried Blood Spots for Pediatric Congenital Adrenal Hyperplasia Patients. <b>2023</b> , 16, 464	1

- 1 A validated method for the determination of hematocrit in dried blood spots using image analysis. ○