

Microsample analyses via DBS: challenges and opportunities

Bioanalysis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Automated direct extraction and analysis of dried blood spots employing on-line SPE high-resolution accurate mass bioanalysis. <i>Bioanalysis</i> , 2014, 6, 2027-2041.	0.6	28
2	European Bioanalysis Forum continued plans to support liquid microsampling. <i>Bioanalysis</i> , 2014, 6, 1897-1900.	0.6	11
3	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> , 2014, 28, 2415-2426.	0.7	22
4	Parallel ultra high pressure liquid chromatography-mass spectrometry for the quantification of HIV protease inhibitors using dried spot sample collection format. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 244-253.	1.2	18
5	Fully-Automated Approach for Online Dried Blood Spot Extraction and Bioanalysis by Two-Dimensional-Liquid Chromatography Coupled with High-Resolution Quadrupole Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 1246-1253.	3.2	42
6	Water-Soluble Dried Blood Spot in Protein Analysis: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2015, 87, 7918-7924.	3.2	22
8	Dried blood spot analysis for rat and dog studies: validation, hematocrit, toxicokinetics and incurred sample reanalysis. <i>Bioanalysis</i> , 2015, 7, 869-883.	0.6	11
9	Potential missing steps for a wide use of dried matrix spots in biomedical analysis. <i>Bioanalysis</i> , 2015, 7, 2375-2385.	0.6	12
10	Novel membrane devices and their potential utility in blood sample collection prior to analysis of dried plasma spots. <i>Bioanalysis</i> , 2015, 7, 1987-2002.	0.6	34
11	Online and automated sample extraction. <i>Bioanalysis</i> , 2015, 7, 2227-2233.	0.6	14
12	Evaluation and Optimization of Blood Micro-Sampling Methods: Serial Sampling in a Cross-Over Design from an Individual Mouse. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2016, 19, 496.	0.9	11
13	Sports drug testing using complementary matrices: Advantages and limitations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 220-230.	1.4	97
14	Porous membrane strip microsampling: a dried biofluid collection format and application for quantitative enzyme immunoassay. <i>Analytical Methods</i> , 2016, 8, 4835-4843.	1.3	6
15	Is there a role for microsampling in antibiotic pharmacokinetic studies?. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 601-614.	1.5	20
16	Determination of Recent Growth Hormone Abuse Using a Single Dried Blood Spot. <i>Clinical Chemistry</i> , 2016, 62, 1353-1360.	1.5	22
17	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> , 2016, 8, 30-38.	1.6	64
18	Evaluation of water-soluble DBS for small proteins: a conceptual study using insulin as a model analyte. <i>Bioanalysis</i> , 2016, 8, 1051-1065.	0.6	15
19	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> , 2016, 88, 11229-11237.	3.2	33

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20	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> , 2016, 88, 6789-6796.	3.2	38
21	Fully automated determination of nicotine and its major metabolites in whole blood by means of a DBS online-SPE LC-HR-MS/MS approach for sports drug testing. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 123, 132-140.	1.4	39
22	Simultaneous spreading and imbibition of blood droplets over porous substrates in the case of partial wetting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 9-17.	2.3	17
23	Quantification of multiple elements in dried blood spot samples. <i>Clinical Biochemistry</i> , 2017, 50, 703-709.	0.8	31
24	Expanding analytical options in sports drug testing: Mass spectrometric detection of prohibited substances in exhaled breath. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1290-1296.	0.7	29
25	Strip-dried whole milk sampling technique for progesterone detection in cows by ELISA. <i>Talanta</i> , 2017, 175, 143-149.	2.9	16
26	Expanding the knowledge on dried blood spots and LC-MS-based protein analysis: two different sampling materials and six protein targets. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3383-3392.	1.9	5
27	Dried blood spots and parallel artificial liquid membrane extraction—A simple combination of microsampling and microextraction. <i>Analytica Chimica Acta</i> , 2018, 1009, 56-64.	2.6	22
28	Incorporating dried blood spot LC-MS/MS analysis for clinical development of a novel oncolytic agent. <i>Bioanalysis</i> , 2018, 10, 341-356.	0.6	8
29	State of the Science in Dried Blood Spots. <i>Clinical Chemistry</i> , 2018, 64, 656-679.	1.5	126
30	Dried blood spots in therapeutic drug monitoring and toxicology. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018, 14, 1-3.	1.5	23
31	Measurement of Cortisol and Testosterone in Athletes: Accuracy of Liquid Chromatography-Tandem Mass Spectrometry Assays for Cortisol and Testosterone Measurement in Whole-Blood Microspecimens. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 2425-2434.	1.0	3
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34	Miniaturized SPME tips directly coupled to mass spectrometry for targeted determination and untargeted profiling of small samples. <i>Talanta</i> , 2019, 199, 689-697.	2.9	44
35	Does oral fluid contribute to exhaled breath samples collected by means of an electret membrane?. <i>Drug Testing and Analysis</i> , 2019, 11, 1764-1770.	1.6	8
36	Tacrolimus Area Under the Concentration Versus Time Curve Monitoring, Using Home-Based Volumetric Absorptive Capillary Microsampling. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 407-414.	1.0	20
37	Virtual drug testing: redefining sample collection in a global pandemic. <i>Bioanalysis</i> , 2020, 12, 715-718.	0.6	23
38	Validation and clinical application of dried blood spot assay for quantitative assessment of edoxaban in healthy adults. <i>Bioanalysis</i> , 2020, 12, 393-407.	0.6	3

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39	Evaluation of dried blood spots as an alternative sample matrix for equine antidoping analysis. <i>Drug Testing and Analysis</i> , 2021, 13, 386-396.	1.6	4
40	On the road of dried blood spot sampling for antidoping tests: Detection of GHRPâ€² abuse. <i>Drug Testing and Analysis</i> , 2021, 13, 510-522.	1.6	5
41	Probing for the presence of doping agents in exhaled breath using chromatographic/mass spectrometric approaches. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8939.	0.7	9
42	Dried blood spots in doping analysis. <i>Bioanalysis</i> , 2021, 13, 587-604.	0.6	21
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45	Probing for factors influencing exhaled breath drug testing in sportsâ€” Pilot studies focusing on the tested individual's tobacco smoking habit and sex. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9262.	0.7	4
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48	DropWise: current role and future perspectives of dried blood spots (DBS), blood microsampling, and their analysis in sports drug testing. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2023, 60, 41-62.	2.7	12
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50	Microneedle Patch for Painless Intradermal Collection of Interstitial Fluid Enabling Multianalyte Measurement of Small Molecules, SARSâ€”CoVâ€”Antibodies, and Protein Profiling. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	8
51	Evaluation of dried-blood spots and a hematocrit-independent procedure in lysosomal diseases screening using multiplexed tandem mass spectrometry assays. <i>Clinica Chimica Acta</i> , 2023, 542, 117278.	0.5	1
52	Dried blood spots for doping controlsâ€”Development of a comprehensive initial testing procedure with fully automated sample preparation. <i>Biomedical Chromatography</i> , 2023, 37, .	0.8	6
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