Citation Report
List of articles citing

The bioanalytical challenge of determining unbound concentration and protein binding for drugs

DOI: 10.4155/bio.13.274
Bioanalysis, 2013, 5, 3033-50.

#	Paper	IF	Citations
50	High throughput quantification of prohibited substances in plasma using thin film solid phase microextraction. *Journal of Chromatography A*, **2014**, 1374, 40-49	4.5	62
49	Quantitative determination of free/bound atazanavir via high-throughput equilibrium dialysis and LC-MS/MS, and the application in ex vivo samples. *Bioanalysis*, **2014**, 6, 3169-82	2.1	7
48	Understanding and reducing the experimental variability of in vitro plasma protein binding measurements. *Journal of Pharmaceutical Sciences*, **2014**, 103, 3302-9	3.9	13
47	Challenges regarding analysis of unbound fraction of highly bound protein antiretroviral drugs in several biological matrices: lack of harmonisation and guidelines. *Drug Discovery Today*, **2015**, 20, 466-74	8.8	15
46	Measuring unbound versus total vancomycin concentrations in serum and plasma: methodological issues and relevance. *Therapeutic Drug Monitoring*, **2015**, 37, 180-7	3.2	19
45	Assays for therapeutic drug monitoring of β-lactam antibiotics: A structured review. *International Journal of Antimicrobial Agents*, **2015**, 46, 367-75	14.3	65
44	Unbound fraction of fluconazole and linezolid in human plasma as determined by ultrafiltration: Impact of membrane type. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1039, 74-78	3.2	24
43	Equilibrium Sorption of Structurally Diverse Organic Ions to Bovine Serum Albumin. *Environmental Science & Technology*, **2016**, 50, 5119-26	10.3	39
42	Saturation monitoring of VX15/2503, a novel semaphorin 4D-specific antibody, in clinical trials. *Cytometry Part B - Clinical Cytometry*, **2016**, 90, 199-208	3.4	19
41	Determination of Cefalothin and Cefazolin in Human Plasma, Urine and Peritoneal Dialysate by UHPLC-MS/MS: application to a pilot pharmacokinetic study in humans. *Biomedical Chromatography* , **2016**, 30, 872-9	1.7	16
40	LC–MS based global metabolite profiling: the necessity of high data quality. *Metabolomics*, **2016**, 12, 1	4.7	34
39	Effect of sample temperature, pH, and matrix on the percentage protein binding of protein-bound uraemic toxins. *Analytical Methods*, **2017**, 9, 1935-1940	3.2	11
38	Solid-Phase Microextraction in Binding Studies. **2017**, 287-308		
37	Industry Perspective on Contemporary Protein-Binding Methodologies: Considerations for Regulatory Drug-Drug Interaction and Related Guidelines on Highly Bound Drugs. *Journal of Pharmaceutical Sciences*, **2017**, 106, 3442-3452	3.9	46
36	Determination of protein-unbound, active rifampicin in serum by ultrafiltration and Ultra Performance Liquid Chromatography with UV detection. A method suitable for standard and high doses of rifampicin. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1063, 42-49	3.2	16
35	Solid Phase Microextraction. **2017**,		2
34	Approaches to measure protein binding of enzymatically unstable compounds in plasma. *Bioanalysis*, **2018**, 10, 451-459	2.1	3

33	Effect of Binding Components in Complex Sample Matrices on Recovery in Direct Immersion Solid-Phase Microextraction: Friends or Foe?. *Analytical Chemistry*, **2018**, 90, 2430-2433	7.8	25
32	Determination of dolutegravir's unbound fraction in human plasma using validated equilibrium dialysis and LC-MS/MS methods. *Clinica Chimica Acta*, **2018**, 479, 56-65	6.2	8
31	Impact of Experimental Variables on the Protein Binding of Tigecycline in Human Plasma as Determined by Ultrafiltration. *Journal of Pharmaceutical Sciences*, **2018**, 107, 739-744	3.9	18
30	Deuterium- und tritiummarkierte Verbindungen: Anwendungen in den modernen Biowissenschaften. *Angewandte Chemie*, **2018**, 130, 1774-1802	3.6	76
29	Advances in Solid Phase Microextraction and Perspective on Future Directions. *Analytical Chemistry*, **2018**, 90, 302-360	7.8	363
28	Deuterium- and Tritium-Labelled Compounds: Applications in the Life Sciences. *Angewandte Chemie - International Edition*, **2018**, 57, 1758-1784	16.4	281
27	Quantification of unbound concentration of ticagrelor in plasma as a proof of mechanism biomarker of the reversal agent, MEDI2452. *PLoS ONE*, **2018**, 13, e0201202	3.7	1
26	Concentration-dependent plasma protein binding: Expect the unexpected. *European Journal of Pharmaceutical Sciences*, **2018**, 122, 341-346	5.1	11
25	Unbound Fraction of Clozapine Significantly Decreases with Elevated Plasma Concentrations of the Inflammatory Acute-Phase Protein Alpha-1-Acid Glycoprotein. *Clinical Pharmacokinetics*, **2019**, 58, 1069-1075	6.2	4
24	Equilibrium Dialysis, Ultracentrifugation, and Ultrafiltration in LC-MS Bioanalysis. **2019**, 45-51		0
23	. **2019**,		6
22	Development and validation of an ultra-high performance liquid chromatography - high resolution mass spectrometry method for the quantification of total and free teicoplanin in human plasma. *Clinical Biochemistry*, **2019**, 65, 29-37	3.5	5
21	Determination of total and free ceftolozane and tazobactam in human plasma and interstitial fluid by HPLC-UV. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 163, 34-38	3.5	14
20	Validation according to European and American regulatory agencies guidelines of an LC-MS/MS method for the quantification of free and total ropivacaine in human plasma. *Clinical Chemistry and Laboratory Medicine*, **2020**, 58, 701-708	5.9	4
19	Comparing ultrafiltration and equilibrium dialysis to measure unbound plasma dolutegravir concentrations based on a design of experiment approach. *Scientific Reports*, **2020**, 10, 12265	4.9	2
18	Determination of free clindamycin, flucloxacillin or tedizolid in plasma: Pay attention to physiological conditions when using ultrafiltration. *Biomedical Chromatography*, **2020**, 34, e4820	1.7	8
17	Chronic Inhibition of CYP3A is Temporarily Reduced by Each Hemodialysis Session in Patients With End-Stage Renal Disease. *Clinical Pharmacology and Therapeutics*, **2020**, 108, 866-873	6.1	2
16	Enabling direct and definitive free fraction determination for highly-bound compounds in protein binding assay. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 194, 113765	3.5	2

15	Determination of unbound fraction of dorzagliatin in human plasma by equilibrium dialysis and LC-MS/MS and its application to a clinical pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 195, 113854	3.5	2
14	Ultrafiltration Method for Plasma Protein Binding Studies and Its Limitations. *Processes*, **2021**, 9, 382	2.9	7
13	Recent advances in the determination of unbound concentration and plasma protein binding of drugs: Analytical methods. *Talanta*, **2021**, 225, 122052	6.2	5
12	Measurement of Free Plasma Concentrations of Beta-Lactam Antibiotics: An Applicability Study in Intensive Care Unit Patients. *Therapeutic Drug Monitoring*, **2021**, 43, 264-270	3.2	5
11	Protein binding of clindamycin in vivo by means of intravascular microdialysis in healthy volunteers. *Journal of Antimicrobial Chemotherapy*, **2021**, 76, 2106-2113	5.1	0
10	The Effect of Plasma Protein Binding on the Therapeutic Monitoring of Antiseizure Medications. *Pharmaceutics*, **2021**, 13,	6.4	2
9	An update on the importance of plasma protein binding in drug discovery and development. *Expert Opinion on Drug Discovery*, **2021**, 16, 1453-1465	6.2	4
8	Diverse practices applicable for exploring the drug binding with protein A review. *Materials Today: Proceedings*, **2021**,	1.4	1
7	Improving the accuracy of unbound fraction measurement of drug-protein binding by preconditioning the RED membrane inserts. *Bioanalysis*, **2020**, 12, 1699-1708	2.1	
6	Decreased protein binding of moxifloxacin in patients with sepsis?. *GMS Infectious Diseases*, **2017**, 5, Doc03	0.9	2
5	Reproducible Quantification of Unbound Fractions of Four Beta-lactam Antibiotics: Ultrafiltration versus Microdialysis of Spiked Healthy Donor Plasma. **2022**, Publish Ahead of Print,		
4	Unbound serum polymyxin B in patients with sepsis: Detection approaches and limited sampling strategy for clinical practice and research. **2022**, 220, 114983		1
3	Leveraging patient-centric sampling for clinical drug development and decentralized clinical trials: promise to reality.		1
2	Comparison of ultrafiltration and microdialysis for ceftriaxone protein-binding determination.		0
1	Importance of relative binding of bisphenol A and bisphenol S to plasma proteins for predicting their in vivo potencies. **2023**, 466, 116477		0