

Phosphatidylethanol (PEth) detected in blood for 3 to 12
alcoholâ€™a drinking study with 16 volunteers

International Journal of Legal Medicine

131, 153-160

DOI: 10.1007/s00414-016-1445-x

Citation Report

#	ARTICLE	IF	CITATIONS
1	From Ethanol to Salsolinol: Role of Ethanol Metabolites in the Effects of Ethanol. <i>Journal of Experimental Neuroscience</i> , 2016, 10, JEN.S25099.	2.3	19
2	Application of phosphatidylethanol (PEth) in whole blood in comparison to ethyl glucuronide in hair (hEtG) in driving aptitude assessment (DAA). <i>International Journal of Legal Medicine</i> , 2016, 130, 1527-1533.	1.2	22
3	Phosphatidylethanol in Postmortem Brain and Serum Ethanol at Time of Death. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 2557-2562.	1.4	10
4	Commentary on the Paper of Thompson P. et al.: Phosphatidylethanol in Postmortem Brain and Serum Ethanol at Time of Death. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 501-503.	1.4	2
5	Assessing phosphatidylethanol (PEth) levels reflecting different drinking habits in comparison to the alcohol use disorders identification test – C (AUDIT-C). <i>Drug and Alcohol Dependence</i> , 2017, 178, 80-86.	1.6	64
6	Prevalence of Prenatal Alcohol Exposure in the State of Texas as Assessed by Phosphatidylethanol in Newborn Dried Blood Spot Specimens. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 1004-1011.	1.4	59
7	Improved detection of alcohol consumption using the novel marker phosphatidylethanol in the transplant setting: results of a prospective study. <i>Transplant International</i> , 2017, 30, 611-620.	0.8	52
8	Solid-phase extraction of the alcohol abuse biomarker phosphatidylethanol using newly synthesized polymeric sorbent materials containing quaternary heterocyclic groups. <i>Journal of Chromatography A</i> , 2017, 1519, 1-8.	1.8	4
9	Providing context for phosphatidylethanol as a biomarker of alcohol consumption with a pharmacokinetic model. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 94, 163-171.	1.3	29
10	Differences in the Synthesis and Elimination of Phosphatidylethanol 16:0/18:1 and 16:0/18:2 After Acute Doses of Alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 851-860.	1.4	51
11	Recent alcohol use prolongs hospital length of stay following lung transplant. <i>Clinical Transplantation</i> , 2018, 32, e13250.	0.8	10
12	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> , 2018, 479, 38-42.	0.5	38
13	Determination of the formation rate of phosphatidylethanol by phospholipase D (PLD) in blood and test of two selective PLD inhibitors. <i>Alcohol</i> , 2018, 73, 1-7.	0.8	19
14	High Throughput UPLC [®] -MSMS Method for the Analysis of Phosphatidylethanol (PEth) 16:0/18:1, a Specific Biomarker for Alcohol Consumption, in Whole Blood. <i>Journal of Analytical Toxicology</i> , 2018, 42, 33-41.	1.7	23
15	Applications and Challenges for the Use of Phosphatidylethanol Testing in Liver Disease Patients (Mini) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.45	20
16	The PEth Blood Test in the Security Environment: What it is; Why it is Important; and Interpretative Guidelines. <i>Journal of Forensic Sciences</i> , 2018, 63, 1634-1640.	0.9	97
17	Alcohol Biomarkers in Clinical and Forensic Contexts. <i>Deutsches A&#x0308;rztblatt International</i> , 2018, 115, 309-315.	0.6	85
18	Pharmacokinetics of Phosphatidylethanol 16:0/20:4 in Human Blood After Alcohol Intake. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 2094-2099.	1.4	18

#	ARTICLE	IF	CITATIONS
19	Inter Individual Variation and Factors Regulating the Formation of Phosphatidylethanol. Alcoholism: Clinical and Experimental Research, 2019, 43, 2322-2331.	1.4	17
20	Dose-Response Characteristics of the Alcohol Biomarker Phosphatidylethanol (PEth) A Study of Outpatients in Treatment for Reduced Drinking. Alcohol and Alcoholism, 2019, 54, 567-573.	0.9	29
21	No blue-yellow color vision impairment after acute ethanol ingestion. Alcohol, 2019, 76, 59-63.	0.8	0
22	Long-term stability of the alcohol consumption biomarker phosphatidylethanol in erythrocytes at 37°C. Clinical Mass Spectrometry, 2019, 11, 37-41.	1.9	10
23	Psychosocial Evaluation of Candidates for Heart Transplant and Ventricular Assist Devices: Beyond the Current Consensus. Circulation: Heart Failure, 2019, 12, e006058.	1.6	45
24	Ethyl glucuronide hair testing: A review. Forensic Science International, 2019, 300, 106-119.	1.3	51
25	Biomarkers of Alcohol Misuse. , 2019, , 557-565.		5
26	Phosphatidylethanol Homologs in Blood as Biomarkers for the Time Frame and Amount of Recent Alcohol Consumption. , 2019, , 567-576.		3
27	Elimination Characteristics of the Alcohol Biomarker Phosphatidylethanol (PEth) in Blood during Alcohol Detoxification. Alcohol and Alcoholism, 2019, 54, 251-257.	0.9	53
29	An automated sample preparation approach for routine liquid chromatography tandem-mass spectrometry measurement of the alcohol biomarkers phosphatidylethanol 16:0/18:1, 16:0/16:0 and 18:1/18:1. Journal of Chromatography A, 2019, 1589, 1-9.	1.8	16
30	Monitoring of direct alcohol markers in alcohol use disorder patients during withdrawal treatment and successive rehabilitation. Drug Testing and Analysis, 2019, 11, 859-869.	1.6	31
31	Should phosphatidylethanol be currently analysed using whole blood, dried blood spots or both?. Clinical Chemistry and Laboratory Medicine, 2019, 57, 617-622.	1.4	8
32	Phosphatidylethanol Reliably and Objectively Quantifies Alcohol Consumption in Adolescents and Young Adults. Alcoholism: Clinical and Experimental Research, 2020, 44, 2177-2186.	1.4	9
33	Relationship of Phosphatidylethanol Biomarker to Self-Reported Alcohol Drinking Patterns in Older and Middle-Age Adults. Alcoholism: Clinical and Experimental Research, 2020, 44, 2449-2456.	1.4	10
34	Hyperalgesia after a Drinking Episode in Young Adult Binge Drinkers: A Cross-Sectional Study. Alcohol and Alcoholism, 2020, 55, 608-615.	0.9	17
35	Performance of PEth Compared With Other Alcohol Biomarkers in Subjects Presenting For Occupational and Pre-Employment Medical Examination. Alcohol and Alcoholism, 2020, 55, 401-408.	0.9	20
36	What the lab can and cannot do: clinical interpretation of drug testing results. Critical Reviews in Clinical Laboratory Sciences, 2020, 57, 548-585.	2.7	18
37	DNA methylation signature on phosphatidylethanol, not on self-reported alcohol consumption, predicts hazardous alcohol consumption in two distinct populations. Molecular Psychiatry, 2021, 26, 2238-2253.	4.1	20

#	ARTICLE	IF	CITATIONS
38	Comparison of the Diagnostic Value of Phosphatidylethanol and Carbohydrateâ€œDeficient Transferrin as Biomarkers of Alcohol Consumption. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 153-162.	1.4	20
39	Quantitation of phosphatidylethanol in dried blood after volumetric absorptive microsampling. <i>Talanta</i> , 2021, 223, 121694.	2.9	15
40	Testing venous carbohydrateâ€œdeficient transferrin or capillary phosphatidylethanol with concurrent ethyl glucuronide and ethyl palmitate hair tests to assess historical and recent alcohol use. <i>Drug Testing and Analysis</i> , 2021, 13, 203-207.	1.6	5
41	Diagnostic Accuracy of Biomarkers of Alcohol Use in Patients With Liver Disease: A Systematic Review. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 25-37.	1.4	26
42	Quantitative determination of phosphatidylethanol in dried blood spots for monitoring alcohol abstinence. <i>Nature Protocols</i> , 2021, 16, 283-308.	5.5	22
43	Stability of phosphatidylethanol 16:0/18:1 in authentic and spiked whole blood. <i>Drug Testing and Analysis</i> , 2021, 13, 1219-1222.	1.6	11
44	Measurement of the alcohol biomarker phosphatidylethanol (PEth) in dried blood spots and venous bloodâ€œimportance of inhibition of post-sampling formation from ethanol. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5601-5606.	1.9	24
45	Phosphatidylethanol in whole blood of rhesus monkeys correlates with ethanol consumption. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 689-696.	1.4	1
46	Objective assessment of alcohol consumption in early pregnancy using phosphatidylethanol: a crossâ€œsectional study. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 342.	0.9	9
47	Factors associated with phosphatidylethanol (PEth) sensitivity for detecting unhealthy alcohol use: An individual patient data metaâ€œanalysis. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1166-1187.	1.4	33
48	Genome-wide associations between alcohol consumption and blood DNA methylation: evidence from twin study. <i>Epigenomics</i> , 2021, 13, 939-951.	1.0	9
49	Mixed-methods trial of a phosphatidylethanol-based contingency management intervention to initiate and maintain alcohol abstinence in formerly homeless adults with alcohol use disorders. <i>Contemporary Clinical Trials Communications</i> , 2021, 22, 100757.	0.5	5
50	Acute Consumption of Alcohol and Discrete Atrial Fibrillation Events. <i>Annals of Internal Medicine</i> , 2021, 174, 1503-1509.	2.0	36
51	Development and validation of an analytical method for the simultaneous determination of the alcohol biomarkers ethyl glucuronide, ethyl sulfate, Nâ€œacetyltaurine, and 16:0/18:1â€œphosphatidylethanol in human blood. <i>Drug Testing and Analysis</i> , 2022, 14, 92-100.	1.6	7
52	Phosphatidylethanol, ethyl glucuronide and ethanol in blood as complementary biomarkers for alcohol consumption. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2021, 22, 3-7.	1.3	8
55	Biological State Marker for Alcohol Consumption. , 2021, , 595-617.		0
56	Phosphatidylethanol in patients with liver diseases of different etiologies: Analysis of six homologues and comparison with other alcohol markers. <i>Clinica Chimica Acta</i> , 2022, 524, 171-178.	0.5	4
57	Epigenome-wide association study of alcohol consumption in Nâ€œ=â€œ8161 individuals and relevance to alcohol use disorder pathophysiology: identification of the cystine/glutamate transporter SLC7A11 as a top target. <i>Molecular Psychiatry</i> , 2022, 27, 1754-1764.	4.1	18

#	ARTICLE	IF	CITATIONS
58	Investigating the use of PEth, CDT and MCV to evaluate alcohol consumption in a cohort of homeless individualsâ€“ A comparison of different alcohol biomarkers. <i>Forensic Science International</i> , 2022, 331, 111147.	1.3	6
59	Setâ€“up of a populationâ€“based model to verify alcohol abstinence via monitoring of the direct alcohol marker phosphatidylethanol 16:0/18:1. <i>Addiction</i> , 2022, , .	1.7	10
60	Validation of a liquid chromatography tandem mass spectrometry (LC-MS/MS) method for erythrocyte phosphatidylethanol revealing critical considerations for its use as a clinical biomarker. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1192, 123134.	1.2	5
61	Positive blood phosphatidylethanol concentration is associated with unfavorable waitlistâ€“related outcomes for patients medically appropriate for liver transplantation. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 581-588.	1.4	12
63	Correlates of high phosphatidylethanol (<scp>PEth</scp>) levels and their concordance with selfâ€“reported heavy alcohol consumption among men who have sex with men who binge drink alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 1565-1579.	1.4	1
65	Can PEth be Detected with a Cutoff of 20Âng/mL after Single Alcohol Consumption?. <i>Journal of Analytical Toxicology</i> , 2023, 46, e232-e238.	1.7	7
66	Preoperative alcohol interventions for elective surgical patients: Results from a randomized pilot trial. <i>Surgery</i> , 2022, 172, 1673-1681.	1.0	3
67	Development and validation of seven phosphatidylethanol-homologues in dried blood spots including preliminary results after excessive use of an ethanol-based hand sanitizer. <i>Journal of Analytical Toxicology</i> , 0, , .	1.7	4
68	Acceptability and Feasibility of Wearable Transdermal Alcohol Sensors: Systematic Review. <i>JMIR Human Factors</i> , 2022, 9, e40210.	1.0	3
69	Screening und Diagnostik von Intoxikation, riskantem, schÃdlichem und abhÃngigem Alkoholgebrauch. , 2022, , 11-49.		0
70	Significantly elevated phosphatidylethanol levels in recent suicide attempters, but not in depressed controls and healthy volunteers. <i>Journal of Psychiatric Research</i> , 2023, 158, 245-254.	1.5	3
71	Determination of phosphatidylethanol in whole-blood by liquid chromatography-tandem mass spectrometry based on intelligent scheduled time-zone acquisition technology and the application to population level survey. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2023, 41, 131-141.	0.1	0
72	Increase of PEth after Single Consumption of Alcohol and Evaluation of a Volumetric DBS Filter Paper Device. <i>Journal of Analytical Toxicology</i> , 2023, 47, 379-384.	1.7	1
73	Assessing the sensitivity and specificity of phosphatidylethanol (PEth) cutoffs to identify alcohol exposed pregnancies. <i>Current Research in Toxicology</i> , 2023, 4, 100105.	1.3	6
74	Role of Biomarkers to Assess the Use of Alcohol. <i>Journal of Clinical Gastroenterology</i> , 0, Publish Ahead of Print, .	1.1	0
76	Predictive risk markers in alcoholism. <i>Advances in Clinical Chemistry</i> , 2023, , 113-181.	1.8	1
84	State Markers of Alcohol Use and Their Application. , 2023, , 183-213.		0
88	Phosphatidylethanol (B-PEth) and other direct and indirect biomarkers of alcohol consumption. <i>International Review of Neurobiology</i> , 2024, , 313-344.	0.9	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------