

6 References

- Arner, P.; Bolinder, J.; Eliasson, A.; Lundin, A., et al. (1988):
Microdialysis of adipose tissue and blood for in vivo lipolysis studies.
Am J Physiol 255 (5Pt1). E737-42.
- Axelrod, L. R.; Zaffaroni, A. (1954):
The extraction of corticosteroids from blood and tissues by dialysis.
Arch Biochem Biophys 50 (2). 347-353.
- Bahal, S. M.; Romansky, J. M. (2001):
Sorption of parabens by flexible tubings.
Pharm Dev Technol 6 (3). 431-440.
- Bungay, P. M.; Dedrick, R. L.; Fox, E.; Balis, F. M. (2001):
Probe calibration in transient microdialysis in vivo.
Pharm Res 18 (3). 361-366.
- Buttler, T.; Nilsson, C.; Gorton, L.; Marko-Varga, G., et al. (1996):
Membrane characterisation and performance of microdialysis probes intended for use
as bioprocess sampling units.
J Chromatogr A 725. 41-56.
- Cano-Cebrián, M. J.; Zornoza, T.; Polache, A.; Granero, L. (2005):
Quantitative in vivo microdialysis in pharmacokinetic studies: some reminders.
Curr Drug Metab 6. 83-90.
- Carneheim, C.; Ståhle, L. (1991):
Microdialysis of lipophilic compounds: a methodological study.
Pharmacol Toxicol 69. 378-380.
- CMA (2005). Application note 2: Designing the microdialysis experiment,
CMA/Microdialysis. 2005.
URL: http://www.microdialysis.se/PDFfiler/Application_notes/Appnot2.pdf.
- Dallas, A. J.; Carr, P. W. (1991):
Direct chromatographic comparison of the relative adsorption activity of various
types of capillary transfer tubing.
Anal Chim Acta 251. 83-93.
- Davies, M. I.; Lunte, C. E. (1995):
Microdialysis sampling for hepatic metabolism studies: impact of microdialysis
probe design and implantation technique on liver tissue.
Drug Metab Dispos 23 (10). 1072-1079.
- Delgado, J.; DeFeurdi, F.; Roth, R.; Ryugo, D., et al. (1972):
Dialytrode for long term intracerebral perfusion in awake monkeys.
Arch of Int Pharmacodyn Ther 198 (1). 9-21.

Eliasson, A. (1991). Application note 1: Microdialysis - principles of recovery, CMA/Microdialysis AB. 2005.
URL: http://www.microdialysis.se/PDFfiler/Application_notes/Appnot1www.pdf

Groth, L. (1996):
Cutaneous microdialysis: methodology and validation.
Acta-Dermato-Venereologica-Supplementum 0 (197). 1-61.

Groth, L.; Jørgensen, A. (1997):
In vitro microdialysis of hydrophilic and lipophilic compounds.
Anal Chim Acta 355. 75-83.

Hallström, A.; Carlsson, A.; Hillered, L.; Ungerstedt, U. (1989):
Simultaneous determination of lactate, pyruvate, and ascorbate in microdialysis samples from rat brain, blood, fat , and muscle using high-performance liquid chromatography.
J Pharmacol Methods 21. 113-124.

Hernandez, L.; Paez, X.; Hamlin, C. (1983):
Neurotransmitters extraction by local intracerebral dialysis in anesthetized rats.
Pharmacol Biochem Behav 18 (2). 159-162.

Hsiao, J. K.; Ball, B. A.; Morrison, P. F.; Mefford, I. N., et al. (1990):
Effects of different semipermeable membranes on in vitro and in vivo performance of microdialysis probes.
J Neurochem 54 (4). 1449-1452.

Jacobson, I.; Sandberg, M.; Hamberger, A. (1985):
Mass transfer in brain dialysis devices - a new method for the estimation of extracellular amino acids concentration.
J Neurosci Methods 15. 263-268.

Kehr, J. (1991). Application note 9: In vitro recovery measurement of peptides, CMA/Microdialysis. 2005.

Khramov, A. N.; Stenken, J. A. (1999):
Enhanced microdialysis recovery of some tricyclic antidepressants and structurally related drugs by cyclodextrin-mediated transport.
Analyst 124. 1027-1033.

Klinkmann, H.; Vienken, J. (1995):
Membranes for dialysis.
Nephrol Dial Transplant 10 (Suppl. 3). 39-45.

Kurosaki, Y.; Nakamura, S.; Shiojiri, Y.; Kawasaki, H. (1996):
Lipo-microdialysis: a new microdialysis method for studying the pharmacokinetics of lipophilic substances.
Biol Pharm Bull 21 (2). 194-196.

Lange, E. C. M. d.; Boer, A. G. d.; Breimer, D. D. (2000):
Methodological issues in microdialysis sampling for pharmacokinetic studies.
Adv Drug Deliv Rev 45. 125-148.

Lindefors, N.; Amberg, G.; Ungerstedt, U. (1989):
Intracerebral microdialysis: I. Experimental studies of diffusion kinetics.
J Pharmacol Methods 22. 141-156.

Mary, S.; Muret, P.; Makki, S.; Jourdant, M., et al. (1998):
Assessment of the recovery of three lipophilic psoralens by microdialysis: an in vitro
study.
Int J Pharm 161. 7-13.

Mathy, F. X.; Preat, V.; K.Verbeeck, R. (2001):
Validation of subcutaneous microdialysis sampling for pharmacokinetic studies of
flurbiprofen in the rat.
J Pharm Sci 90 (11). 1897-1906.

McNay, E. C.; Sherwin, R. S. (2004):
From artificial cerebro-spinal fluid (aCSF) to artificial extracellular fluid (aECF):
microdialysis perfusate composition effects on in vivo brain ECF glucose
measurements.
J Neurosci Methods 132. 35-43.

Meier-Ince, B. v.; Günther, C. (2006a):
Microdialysis of lipophilic compounds. In: Proceeding of the 11th international
conference on in vivo methods.Monitoring molecules in neuroscience. - Villasimius,
Italy,
University of Cagliari, Italy. - pp. 575-576.

Meier-Ince, B. v.; Günther, C. (2006b):
Microdialysis of lipophilic compounds.
In: 1. Doktoranden-Symposium am Fachbereich Veterinärmedizin der Freien
Universität Berlin. / A. Kreil, F. Richter and T. Voges (Eds.).
Berlin: Mensch & Buch Verlag. - 'ISBN': ISBN 3-89820-793-5 - pp. 54.

Müller, M. (2000):
Microdialysis in clinical drug delivery studies.
Adv Drug Deliv Rev 45. 255-269.

Müller, M.; Schmid, R.; Wagner, O.; Osten, B. v., et al. (1995):
In vivo characterization of transdermal drug transport by microdialysis.
J Control Release 37. 49-57.

Nakajima, A.; Miyasaka, T.; Sakai, K.; Tsukahara, T. (2001):
Determination of effective charge density of hollow-fiber dialysis membranes and its
effects on phosphate ion permeability.
J Memb Sci 187. 129-139.

Ronne-Engström, E.; Carlson, H.; Yansheng, L.; Ungerstedt, U., et al. (1995):
Influence of perfusate glucose concentration on dialysate lactate, pyruvate, aspartate,
and glutamate levels under basal and hypoxic conditions: a microdialysis study in rat
brain.
J Neurochem 65. 257-262.

Snyder, K. L.; Nathan, C. E.; Yee, A.; Stenken, J. A. (2001):
Diffusion and calibration properties of microdialysis sampling membranes in
biological media.
Analyst 126. 1261-1268.

Ståhle, L.; Segersvärd, S.; Ungerstedt, U. (1990):
Theophylline concentration in the extracellular space of the rat brain: measurement
by microdialysis and relation to behaviour.
Eur J Pharmacol 185. 187-193.

Stenken, J. A. (1990):
Methods and issues in microdialysis calibration.
Anal Chim Acta 379. 337-358.

Sun, L.; Stenken, J. A. (2003):
Improving microdialysis extraction efficiency of lipophilic eicosanoids.
J Pharm Biomed Anal 33. 1059-1071.

Syracuse Research Corporation PhysProp Database. 2007.
URL: <http://www.syrres.com/esc/physdemo.htm>.

Tao, R.; Hjorth, S. (1992):
Differences in the in vitro and in vivo 5-hydroxytryptamine extraction performance
among three common microdialysis membranes.
J Neurochem 59 (5). 1778-1785.

Ungerstedt, U.; Herrera-Marschitz, M.; Jungnelius, U.; Ståhle, L. (1982):
Dopamine synaptic mechanisms reflected in studies containing behavioural
recordings and brain dialysis.
Advances in Dopamine Research 37. 219.

Ward, K. W.; Medina, S. J.; Portelli, S. T.; Doan, K. M. M., et al. (2003):
Enhancement of in vitro and in vivo microdialysis recovery of SB-265123 using
Intralipid® and Encapsin® as perfusates.
Biopharm Drug Disp 24. 17-25.

Wisniewski, N.; Torto, N. (2002):
Optimisation of microdialysis sampling recovery by varying inner cannula geometry.
Analyst 127. 1129-1134.

Wisniewski, N. A. (2001):
Characterization of mass transport through implantable biosensor membranes using
microdialysis.
Duke University. PhD. 204 S. -.

Yang, H.; Wang, Q.; Elmquist, W. F. (1997):
The design and validation of a novel intravenous microdialysis probe: application to
fluconazole pharmacokinetics in the freely-moving rat model.
Pharm Res 14 (10). 1455-1460.

Zhao, Y.; Liang, X.; Lunte, C. E. (1995):
Comparison of recovery and delivery in vitro for calibration of microdialysis probes.
Anal Chim Acta 316. 403-410.