

Identification and quantification of preservative chemicals in common household products

Background literature

http://ec.europa.eu/food/fs/sc/scf/out182_en.pdf

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31996L0045:EN:HTML>

Byford, J. R., Shaw, L. E., Drew, M. G., Pope, G. S., Sauer, M. J., and Darbre, P. D. Oestrogenic activity of parabens in MCF7 human breast cancer cells, *Journal of Steroid Biochemistry and Molecular Biology*, 2002: 80, 49-60.

Routledge EJ et al., (1998) Some alkyl hydroxy benzoate preservatives (parabens) are estrogenic. *Toxicology and Applied Pharmacology* 153, 12-19.

Darbre PD, Aljarrah A, Miller WR, Coldham NG, Sauer MJ, Pope GS (2004). Concentrations of parabens in human breast tumors, *J Appl Toxicol* 24, 5-13.

Pugazhendhi, D., Pope G.S. and Darbre P.D. (2005) Oestrogenic activity of *p*-hydroxybenzoic acid (common metabolite of paraben esters) and methylparaben in human breast cancer cell lines. *J Appl Toxicol* 25, 301-309.

Darbre P.D. (2005) Recorded quadrant incidence of female breast cancer in Great Britain suggests a disproportionate increase in the upper outer quadrant of the breast. *Anticancer Research* 25, 2543-2550.

Matsumura A., Ghosh A., Pope G.S. and Darbre P.D. (2005) Comparative study of oestrogenic properties of eight phytoestrogens in MCF7 human breast cancer cells. *J Steroid Biochem Molec Biol* 94, 431-443.

Harvey P.W. and Darbre P. (2004) Endocrine disrupters and human health: Could oestrogenic chemicals in body care cosmetics adversely affect breast cancer incidence in women? A review of evidence and call for further research. *J Appl Toxicol* 24, 297-306.

Darbre PD, Aljarrah A, Miller WR, Coldham NG, Sauer MJ, Pope GS. (2004) Concentrations of parabens in human breast tumours. *J Appl Toxicol.* 24, 5-13.

Darbre PD. (2003) Underarm cosmetics and breast cancer. *J Appl Toxicol.* 23, 89-95.

Darbre, P.D., Byford, J.R., Shaw, L.E., Hall, S., Coldham, N.G., Pope, G.S. and Sauer, M.J. (2003) Oestrogenic activity of benzylparaben. *J Appl Toxicol* 23, 43-51.

Darbre PD, Byford JR, Shaw LE, Hall S, Coldham NG, Pope GS, Sauer MJ. (2003) Oestrogenic activity of benzylparaben. *J Appl Toxicol.* 23, 43-51.

Darbre PD, Byford JR, Shaw LE, Horton RA, Pope GS, Sauer MJ. (2002) Oestrogenic activity of isobutylparaben in vitro and in vivo. *J Appl Toxicol.* 22, 219-26.

Identification and quantification of preservative chemicals in common household products

Author	Simon Belt, Guillaume Massé
Title	Parabens in household products
Classification	Laboratory Manuals - Chemistry
Keywords	ukoer, parabens, chemistry, analytical, HPLC
Description	Individual lab sheets - Tutor
Creative Commons Licence (url)	http://creativecommons.org/licenses/by-nc-sa/2.0/uk/
Language	English
File size	10 kB
File format	pdf