

CONCLUSIONS

- Iontophoresis is an efficient enhancing technique for drugs with different molecular weight and physico-chemical characteristics.
- Lactic acid behaves like a penetration enhancer only with ibuprofen (EF=4), while it is un-effective with the other molecules tested.
- The association of lactic acid and iontophoresis did not enhance the acetaminophen permeation with respect to iontophoresis alone.
- Due current to the competition in transport, the association of lactic acid and decreased iontophoresis ibuprofen transport: a logarithmic relation was found drug between flux and lactic acid concentration REFERENCE

(1) Harding CR, Watkinson A, Rawlings AV, Dry skin, moisturization and corneodesmolysis, Int J Cosm Sci (2000) 22: 21-52

(2) Marro D, Kalia YN, Delgado-Charro MB, Guy RH, Optimizing iontophoretic drug delivery: identification and distribution of the charge-carrying species, Pharm Res. 2001 18(12):1709-13.