Post-mortem Redistribution of Drugs in Rats
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CONTEXT
Drug concentration in tissues and body fluids change between the death and the post-mortem specimen collections because of post-mortem redistribution. The aim of this study was to investigate post-mortem redistribution of the 2 cardiotoxic antipsychotic drugs: haloperidol and thioridazine, in order to interpret the post-mortem redistribution. The rat has been chosen as the animal model.

RESULTS
Those chromatograms present liquid-liquid extraction results obtained from heart samples 6 hours after death. At this time the concentration of haloperidol and thioridazine was respectively 472 ng/g and 1435 ng/g (significant variation).

MATERIAL
- Precellys®24
- Precellys® kit CK14 (small ceramic beads)
- Sample : rat heart (1/2 v/v)
- Buffer : water

Chromatograms of Liquid/liquid extraction

PROTOCOL
- Precellys®24 parameters
  6500 rpm, 2x15 sec.

CONCLUSION
The Precellys®24 allows a quick and efficient homogenization on a significant number of samples. The homogenate is perfectly appropriate for drug extraction.

For more details, please contact precellys@bertin.fr or visit our website

http://www.technosaurus.co.jp