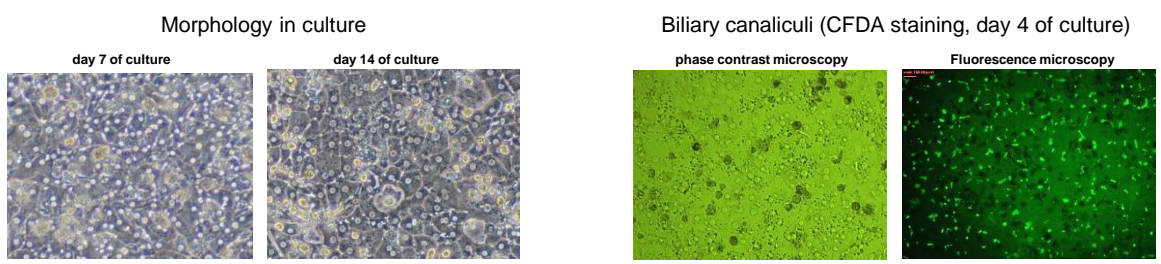


## Morphology

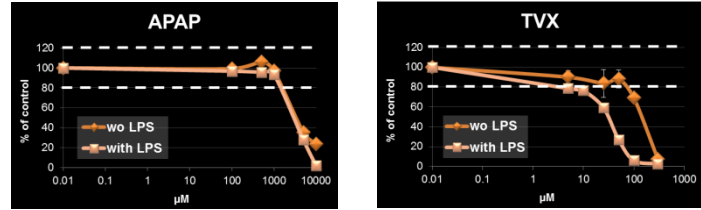
### Confluency and Morphology of Plateable Human CryoHeps



## Evaluation of Repeat Drug Exposure

Plateable human CryoHeps allow the evaluation of chronic exposure to drugs

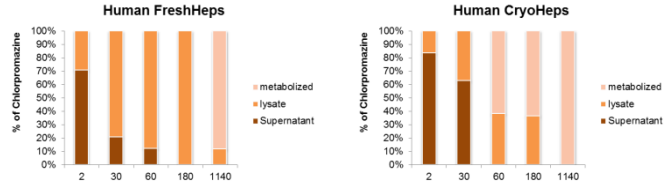
### Study of inflammatory signals



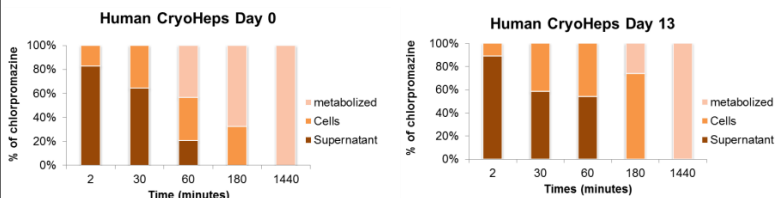
Cytotoxicity profiles (ATP content) after 72h of treatment with Paracetamol (APAP) or Trovafloxacin (TVX) of human plateable CryoHeps #N1309VT cultures +/- lipopolysaccharide (LPS)

Richert & Baze et al., in preparation

### KaLy-Cell's Plateable CryoHeps retain drug metabolism capacity of their fresh counterparts



### Drug metabolism after single- and repeat-drug exposure



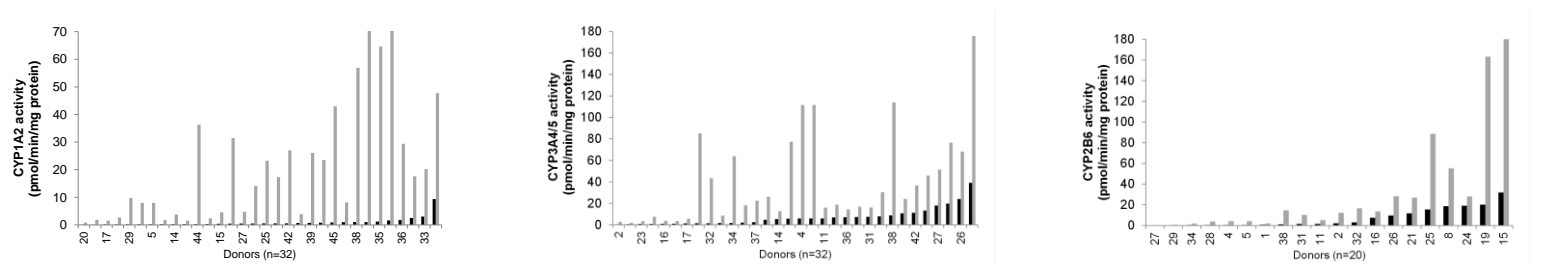
Parmentier et al., ISSX 2012

## Donor-dependent Drug Metabolism and Induction

Correlation CYP mRNA expression and activities after treatment with inducers (R <sup>2</sup> value)			
	CYP 1A2	CYP 3A4	CYP 2B6
mRNA	0.83*/0.82**	0.86*/0.87**	0.67*/0.81**

\*: 24h mRNA / 72h activity  
 \*\*: 72h mRNA / 72h activity  
 Richert et al., TAP 2009

Plateable human CryoHeps allow the evaluation of Inter-individual variations in Drug Metabolism Enzymes (DMEs) and response to inducers



Alexandre et al., Xenobiotica 2012