

## Supplementary Information

Biomimetic membrane platform containing hERG potassium channel and its application  
to drug screening

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**TableS1.** CF expression of hERG in presence of detergents or membrane platforms

Detergent/Lipid membrane	Concentration (%)	Yield of hERG ( $\mu\text{g/ml}$ )
LMPG	0.01*	58.9
LMPG	0.1	ND
LMPG	0.2	ND
LMPG	0.5	ND
Brij S20	0.01**	96.7
Brij S20	0.1	80.9
Brij S20	0.2	75.2
Brij S20	0.5	69.7
PC	0	33.4
PC	10	145.8
PC	20	169.3

\* CMC for LMPG / \*\* CMC for Brij S20 (Klammt et al., 2005) / ND: not determined