

UGT1A9-overexpressing HeLa Cells Is an Appropriate Tool to Delineate the Kinetic Interplay between BCRP and UGT and to Rapidly Identify the Glucuronide Substrates of BCRP

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Drug Metabolism and Disposition

Fig.1S

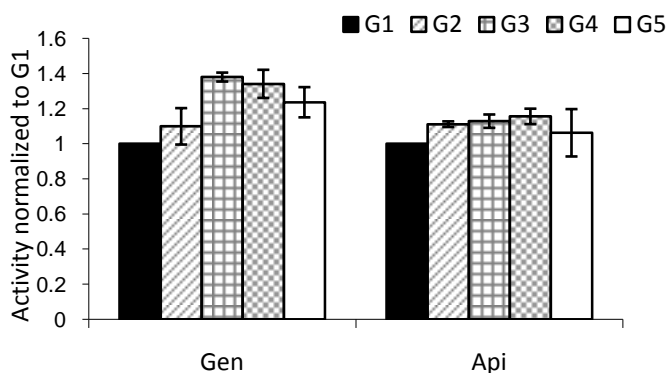


Fig.1S Stability of expressed UGT1A9 in engineered (or stably transfected) HeLa cells. Genistein (Gen) or apigenin (Api) (10 μ M) were incubated with engineered HeLa cells grown on 6-well plates for five consecutive generations. Each cell generation was marked by a cell passage every 4 days. The activities were all normalized to the first generation. Each data point was the average of three determinations with error bar representing the standard deviation (n=3).

Fig.2S

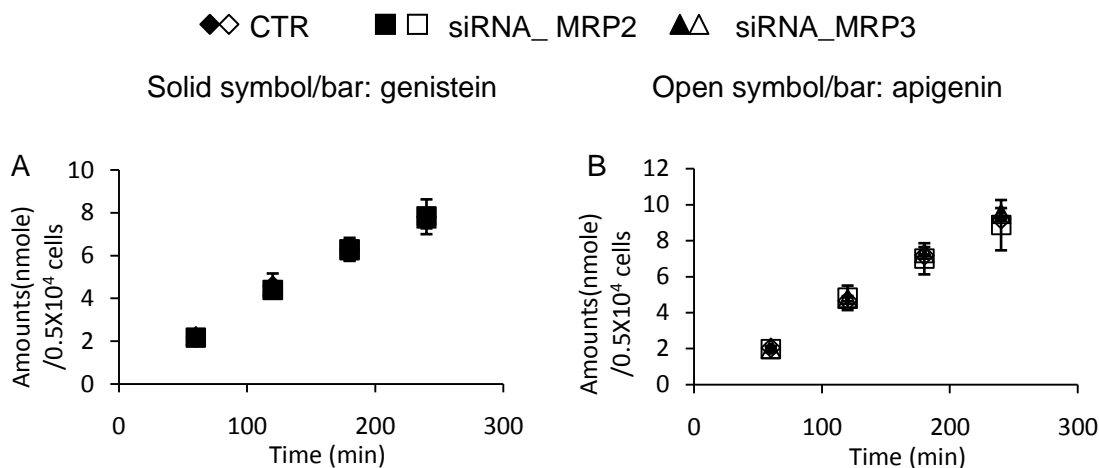


Fig.2S Effects of siRNA-mediated MRP2/MRP3 silencing on the excretion of glucuronides. Genistein (A) or apigenin (B) ($10\mu\text{M}$) were incubated with engineered HeLa cells in the presence or absence of siRNA of MRP2 or MRP3 (40pmole/well of a 12 well-plate) at 37°C . The incubating media were taken at 60, 120, 180 and 240min. Each data point was the average of three determinations with error bar representing the standard deviation ($n=3$). $p<0.05$, *

Fig.3S

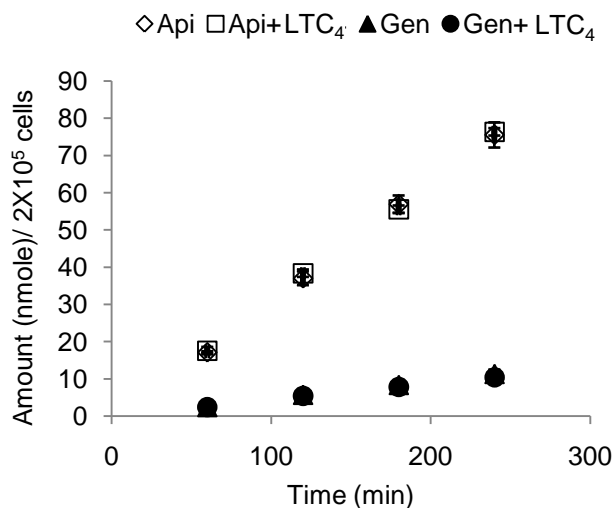


Fig.3S Effects of LTC₄ ($0.1\mu\text{M}$) on the excretion of glucuronides. Genistein (Gen) or apigenin (Api) ($10\mu\text{M}$) were incubated with engineered HeLa cells grown on 6-well plates in the presence or absence of LTC₄ at 37°C . The incubating media were taken at 60, 120, 180 and 240min. Each data point was the average of three determinations with error bar representing the standard deviation ($n=3$). $P<0.05$, *