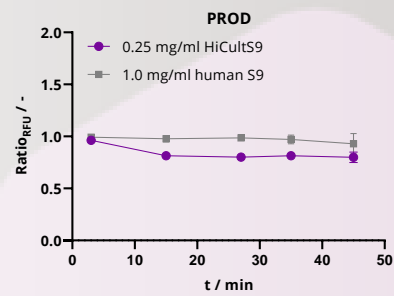
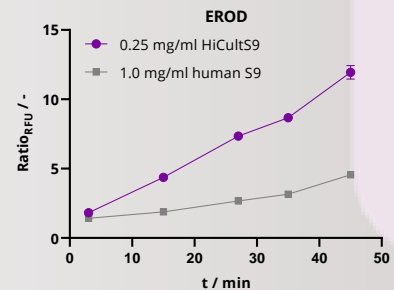
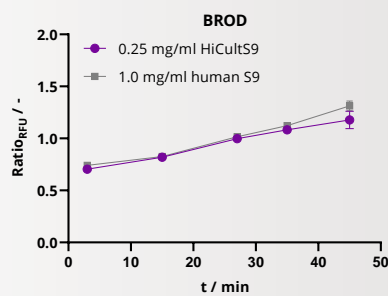
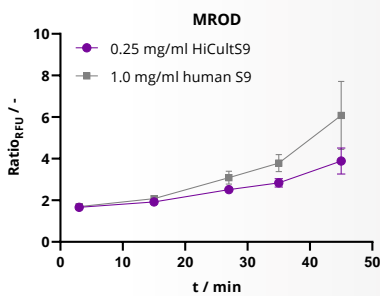
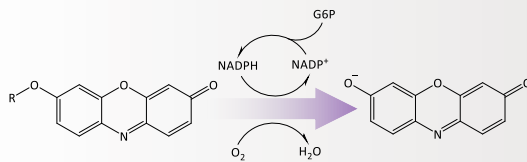


## HiCultS9 | Cultivated human S9 fraction

HiCultS9 is a human *in vitro* metabolisation agent produced in a proprietary animal-free cell culture process.

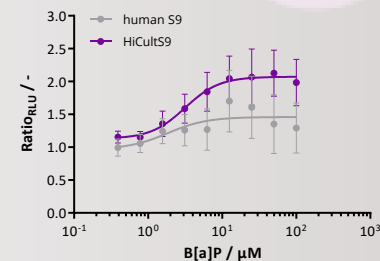
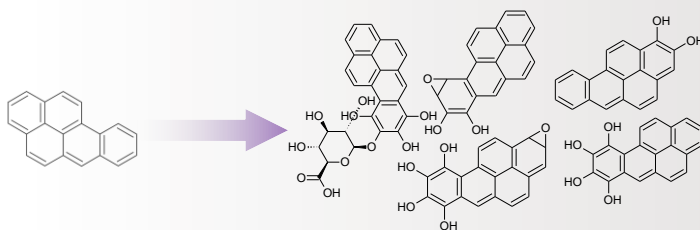
### Enzymatic activities

The assays were performed in 100 mM NaPO<sub>4</sub> buffer pH 7.4 using 15 mM glucose-6-phosphate, 5 mM MgCl<sub>2</sub>, 3 mM NADP and 150 μM dicoumarol at 34-37 °C, 750 rpm (1.5 mm amplitude) (two technical replicates).



### Induced estrogenic activity | Cell-based assay

The cell-based assay was performed in a serum-free medium containing 15 mM glucose-6-phosphate, 5 mM MgCl<sub>2</sub>, 3 mM NADP as well as 0.1 mg/ml HiCultS9 using the proprietary estrogenic reporter suspension cell line CHO<sub>sulu</sub>-ER $\alpha$  at 37 °C and 5 % CO<sub>2</sub> (eight technical replicates; PP plates). The formation of the secreted luciferase upon binding to the human estrogen receptor alpha after metabolization of benzo(a) pyrene (B(a)P) was measured after incubating for 22 hours.



### Available products

#### Art. No.

**S09101-5MG**  
**S09102-5MG**

#### Components

HiCultS9 | cultivated human S9 fraction | liquid formulation | for 10 – 100 reactions in 1 ml  
HiCultS9 | cultivated human S9 fraction | lyophilised formulation | for 10 – 100 reactions in 1 ml