

HiCultS9 | Cultivated, cell line-derived human liver S9 fraction

Certificate of analysis | 109102C0Z

HiCultS9 is a human *in vitro* metabolisation agent produced in a proprietary cell-based process and under animal-free conditions. The vial contents a lyophilisate with 20 mg protein, which is reconstituted in 0.5-2 mL, but preferably 1 mL sterile ddH₂O.

Appearance upon reconstitution

Colour:	pinkish white	(passed)
Sterility:	sterile	(passed)
Appearance:	milky emulsion	(passed)

Alkylresorufin O-dealkylase activities (conversion rate):

MROD: $46.4 \pm 8.3 \text{ pmol} \cdot \text{mg}^{-1} \cdot \text{min}^{-1}$

EROD: $261.4 \pm 56.8 \text{ pmol} \cdot \text{mg}^{-1} \cdot \text{min}^{-1}$

BROD: $11.3 \pm 1.4 \text{ pmol} \cdot \text{mg}^{-1} \cdot \text{min}^{-1}$

PROD: $1.8 \pm 0.7 \text{ pmol} \cdot \text{mg}^{-1} \cdot \text{min}^{-1}$

