

# Metabolic Stability (Microsomes)

- **Test compound concentration:** 1  $\mu$ M
- **Time Points:** 0, 5, 10, 30 and 60 minutes
- **No of Replicates:** Two
- **Final Protein Concentration:** 1 mg/mL
- **Final NADPH Concentration:** 0.88 mM
- **Potassium Phosphate Buffer pH 7.4:** 100 mM
- **Final DMSO Concentration:** < 0.1%
- **Result:** % Remaining of Test compound, Half life (min), Clint ( $\mu$ L/min/mg protein)
- **Bioanalysis:** LC-MS/MS

QC Compounds for Human microsomes	GVK BIO Values	Literature Values
	Clint ( $\mu$ L/min/mg protein)	Clint ( $\mu$ L/min/mg protein)
Verapamil	80-129	70-138*
Propranolol	14-29	11-33**

\*Riley J et al (2005)/Cyprotex

\*\* Riley J et al (2005)/Cyprotex/BD