

IN VITRO ASSAY GUIDE Examples

Category	Assay / Module type	VITROCELL 6 PT	VITROCELL 6 PT-CF	VITROCELL 12	VITROCELL 12-CF	VITROCELL 12 HT	VITROCELL 12 HT-CF	VITROCELL 24	VITROCELL AMES
	Number of inserts	3	3 or 4	3	3	6	6	24	3
	Insert type (size)	6-well	6-well	12-well	12-well	12-well	12-well	24-well	35 mm Petri Dish
	Culture Medium Supply	Static	Continuous	Static	Continuous	Static	Continuous	Static	--
Catalogue Page		10-11	12-15	16-19	20-23	24-25	26-27	28-29	30-31
Cytotoxicity	Number of viable cells	X	X	XX	XX	XX	XX	XX	
	LDH release	XX	XX	XX	XX	XX	XX	X	
	NRU uptake	X	X	XX	XX	XX	XX	XX	
	MTT	X	X	XX	XX	XX	XX	XX	
	XTT	X	X	XX	XX	XX	XX	XX	
	MTS	X	X	XX	XX	XX	XX	XX	
Proliferation	WST-1	X	X	XX	XX	XX	XX	XX	
	Protein level	X	X	XX	XX	XX	XX	XX	
Cellular Stress	ATP	XX	XX	X	X	X	X	X	
	Cellular ATP/ADP ratio	XX	XX	X	X	X	X	X	
	GSH	XX	XX	X	X	X	X	X	
	GSSG	XX	XX	X	X	X	X	X	
	GSSG/GSH	XX	XX	X	X	X	X	X	
Oxidative Stress	Lipid peroxidation (MDA test)	XX	XX	X	X	X	X	X	
Inflammation	Cytokines like IL8, IL6, IL12	X	X	XX	XX	XX	XX	X	
Genotoxicity	Comet assay	X	X	XX	XX	XX	XX	-	
	AMES/number of revertants	-	-	-	-	-	-	-	XX
"omic" technologies	ARN Sample for microarray	XX	XX	-	-	-	-	-	
	ARN Sample for QRT PCR	XX	XX	-	-	-	-	-	
Molecular Biology	Protein Sample for Western Blot	XX	XX	-	-	-	-	-	
Legend:		X = well suited XX = particularly well suited							