

In vitro ASSAY GUIDE Examples

Category	Module type	VITROCELL 6 CF	VITROCELL 6 Cloud 6	VITROCELL 12 CF	VITROCELL 12/6	VITROCELL 12/6 CF	VITROCELL 12/12 Cloud 12	VITROCELL 24 Cloud 24	VITROCELL AMES	VITROCELL SC
	Number of inserts	3, 4 or 6	6 or 48	3 or 4	6	6	12	24 or 48	3, 4 or 48	3 or 4
	Insert type (size)	6-well	6-well	12-well	12-well	12-well	12-well	24-well	35 mm Petri Dish	35 mm Petri Dish
	Culture Medium Supply	Continuous	Static	Continuous	Static	Continuous	Static	Static	--	--
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	--	--	--	--	--	--	--
Assays for Suspension Cells		--	--	--	--	--	--	--	--	xx
Legend:	x = well suited xx = particularly well suited									