

Research Services

In Vitro - Cell Line based Assays

Panels	Name of test	Sample type
MTT-Cytotoxicity assay		
	MTT assay	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
Oxidative Stress Biochemical -panel		
	Lipid peroxidation (LPO)	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	Superoxide Dismutase (SOD)	
	Catalase (CAT)	
	Glutathione (GSH)	
	Glutathione S-Transferase (GST)	
Cytotoxicity Assay Panel		
	MTT assay	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	Trypan Blue Assay	
	Sulforodamine-B(SRB) assay	
	Lactate Dehydrogenase (LDH)	
	Succinate Dehydrogenase (SDH)	
Genotoxicity assay Panel		
	DNA Ladder assay	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	Micronucleus assay	
	Sister chromatid exchange assay (SCE)	
	Chromosomal Aberration	
	Commet assay	
Apoptosis		
	Caspase 3	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	Caspase 9	
	BCL-BAX	
	Hoechst/Eupro/PI assay	
	EtBr/AO staining assay	

Panels	Name of test	Sample type
Cell line based Functional assay		
	Glycolytic pathway	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	Aminoacid synthesis pathway	
	Nucleic acid synthesis pathway	
	Cell Signaling pathway	
	Neurotransmission evaluation	
Anticancer Studies		
	MTT assay	Synthetic compound/herbal extract/Nanomaterials/ medical formulations/etc.
	SRB assay	
	Tryphan Blue	
	LPO	
	SOD	
	CAT	
	GSH	
	GST	
	DNA ladder	
	Wound healing assay	
	Cell Cycle evaluation	
	Caspase 3	
	Caspase 9	
	BCL-BAX	
	Hoechst/Eupro/PI assay	
EtBr/AO staining assay		