

Systemic Models: List of validated models

Disease	Animal model	Test Species
Gastrointestinal Pharmacology		
Constipation	Loperamide induced	Rat
Diarrhea	Bile acid induced	Rat
	Cecectomy	Rat
	Cholera toxin induced jejunum segment model	Mice
Gastric Motility	Charcoal meal test	Rat
Ulcer	Diclofenac induced	Rat
	Ethanol induced	Rat
	Indomethacin induced	Rat
Musculoskeletal System		
Cachexia	Dexamethasone induced	Rats
Muscle fatigue	Muscle fatigue assessment of various treatments - rats	Rat
NMB	Reversal of neuromuscular blockage (NMB)	Rat and guinea pigs
Ophthalmology		
Uveitis	Autoimmune uveitis	Rats
	LPS induced uveitis	Rabbits
Glaucoma	Glaucoma studies	Rabbits
	Intravitreal and topical ocular tissue biodistribution	Rats, Rabbits
	Tear secretion studies	Rabbits
	Optic neuritis	Rat
Pulmonary Models		
Airway hyperresponsiveness	Acetylcholine induced airway hyperresponsiveness model – Acute bronchoconstriction assay	Rat, Mice, Guinea pig
Asthma	Ovalbumin induced asthma	Mice
Renal Pharmacology		
Acute kidney injury	Cisplatin AKI	Rat or Mice
	Glycerol induced AKI	Rat
	Ischemia reperfusion acute kidney injury	Rat
Chronic kidney disease (CKD)	DOCA salt induced nephropathy	Mice
	STZ induced nephropathy	Rats
	Adenine induced CKD	Rats
LPS induced nephritis	LPS induced nephritis	Mice
Others	mGFR – Glomerular filtration rate	Rat and Mice

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