

DerMed Animal Model List

No.	Animal models	Species
	Osteoarthritis	
0101	Partial meniscectomy-induced (PMNX) osteoarthritis	Rat
0102	Meniscectomy (MNX)-induced osteoarthritis	Rat
0103	Anterior cruciate ligament transaction (ACLT)-induced osteoarthritis	Rat
0104	Monoiodoacetate (MIA)-induced osteoarthritis	Rat
	Acute arthritis	
0201	Adjuvant-induced arthritis (AIA)	Rat
0202	Collagen-induced arthritis (CIA)	Mouse, Rat
	Sepsis	
0301	Lipopolysaccharide (LPS)-induced septic shock	Mouse, Rat
0302	Lipopolysaccharide plus D-galactosamine (LPS/GalN)-induced septic shock	Mouse, Rat
0303	Cecal ligation and puncture (CLP)-induced septic shock	Mouse, Rat
	Inflammation-related pain	
0401	Carrageenan-induced muscle inflammation and pain	Rat
	Gastric ulcer	
0501	Pylorus ligation for gastric acidity assessment	Rat
0502	Vagotomy for gastric acidity assessment	Rat
0503	NSAID-induced gastric ulcer	Rat
0504	Ethanol-induced gastric ulcer	Rat
0505	Acidified ethanol-induced gastric ulcer	Rat
	Inflammatory bowel disease (IBD)	
0601	Dinitrobenzene sulfonic acid (DNBS)-induced colitis	Rat
0602	Dextran sulfate sodium (DSS)-induced colitis	Mouse, Rat
0603	2,4,6-Trinitrobenzenesulfonic acid (TNBS)-induced colitis	Mouse, Rat
	Acute hepatic injury	
0701	Acetaminophen (APAP)-induced acute hepatic injury	Rat
0702	Carbon tetrachloride (CCl ₄)-induced acute hepatic injury	Rat
0703	Concanavalin A (Con-A)-induced acute hepatic injury	Mouse, Rat
	Chronic hepatic injury	

0801	Carbon tetrachloride (CCl ₄) with phenobarbital-induced chronic hepatic injury and fibrosis	Mouse, Rat
0802	Carbon tetrachloride (CCl ₄)-induced chronic hepatic injury and fibrosis	Mouse, Rat
0803	Methionine choline-deficient (MCD) diet-induced nonalcoholic steatohepatitis (NASH)	Mouse
	Pancreatitis	
0901	Caerulein-induced acute pancreatitis	Mouse, Rat
0902	Caerulein-induced chronic pancreatitis	Mouse, Rat
	Renal Failure	
1001	Gentamycin-induced renal dysfunction	Mouse, Rat
1002	Ischemia/reperfusion-induced acute renal failure	Rat
1003	Cisplatin-induced renal failure	Mouse, Rat
1004	5/6 nephrectomy-induced chronic renal failure	Rat
	Metabolic Diseases	
1101	Streptozotocin (SDZ)-induced type I diabetes	Rat
1102	Monosodium urate (MSU)-induced gout and hyperuricemia	Rat
1103	Potassium oxonate-induced gout and hyperuricemia	Rat
	Dermatology	
1201	Wound healing	Mouse, Rat
1202	Hair growth	Mouse
1203	Melanoma	Mouse
	Stress-related diseases	
1301	Cold restraint-induced stress	Rat
1302	Sleep deprivation related stress	Mouse
	Peripheral nerve damage	
1401	Sciatic nerve crush	Rat
1402	Sciatic nerve transaction	Rat
	Respiratory diseases	
1501	OVA-induced asthma	Rat