

Diseases of the bone, joint, and muscle system

disease name	model name	animal species
osteoarthritis	Spontaneous knee osteoarthritis	guinea pig
	Sodium iodoacetate (MIA) induces osteoarthritis model	mouse, rat, rabbit, cat, dog
	Induction of osteoarthritis model by meniscectomy+anterior cruciate ligament transection (DMM+ACLT)	rat, rabbit, cat, dog
	Induction of osteoarthritis model by meniscectomy (DMM)	rat, rabbit
	Osteoarthritis model induced by anterior cruciate ligament transection (ACLT)	rat, rabbit
	Meniscus fracture (MMT) induced osteoarthritis model	rat, rabbit
osteoporosis	Osteoporosis model induced by ovariectomy	rat, rabbit
Rheumatoid arthritis	Collagen antibody induced arthritis (CAIA) model	mouse
	Type II collagen induced rheumatoid arthritis model	mouse, rat
	Adjuvant induced rheumatoid arthritis model	rat
	Yeast polysaccharide A (ZIA) induced rheumatoid arthritis model	mouse
	Non human primate spontaneous rheumatoid arthritis model	Non-human primates
Joint fibrosis	Traumatic joint adhesion/joint fibrosis model	rabbit
sarcopenia	Dexamethasone induced sarcopenia model	mouse, rat
	Myopenia model caused by type I diabetes	rat
	Sarcopenia caused by weight loss with semaglutide	rat
	A model of sarcopenia caused by high-fat diet	mouse, dog