

NON CLINICAL EVALUATIONS

Evaluate MSC therapeutic potential in experimental murine models for dysimmunity or degenerative diseases

Diseases/Disorders	Models	Analyses	Equipment
Scleroderma	HOCl-induced scleroderma	Clinical response, antioxidant capacity analysis, AOPP dosage, RT-qPCR, histological analyses	
Arthritis	1- CIA (collagen-induced arthritis) 2- AIA (Ag-induced arthritis) 3- Ab induced arthritis	Clinical answer, pain evaluation, immunological analyses (cells and cytokines), histological analyses, bone damage analyses	Catwalk, spontaneous locomotor activity, thermal sensitivity, flow cytometer, microCT, ELISAs (IL10, IL5, IL13, IFN, TNF)
Osteoarthritis	CIOA (collagenase-induced osteoarthritis)	Cartilage and bone damage analyses Histological analyses	Confocal microscope, microCT
Delayed type hypersensitivity	Ovalbumin-induced DTH à	Clinical and immunological analyses	Catwalk, spontaneous locomotor activity

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