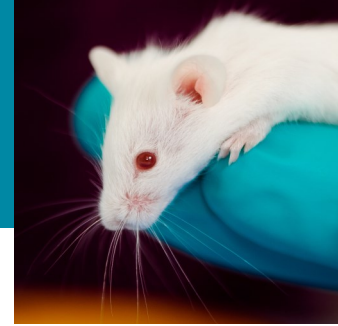


ALZET RESEARCH SUMMARY — Interleukins



ALZET® Osmotic Pumps are a reliable, convenient and cost effective method for continuous dosing of unrestrained laboratory animals, including mice and young rats. These small, implantable pumps are an effective tool for continuous administration of interleukins (IL). In fact, the ALZET bibliography contains **over 370 publications** on this research application. The table below summarizes examples of recent research using ALZET pumps for interleukin infusion including the type of interleukin, vehicle, animal species, pump model, study duration, and route of infusion. For additional references, please contact ALZET Technical Services.

Interleukin (IL)	Species	Duration	Pump Model	Route	Citation
IL-34, Recombinant Human	Mice	14 days	1004	IP	A. Freuchet <i>et al.</i> Clin Transl Med. 2022;12:e988
IL-1 α	Rat	10 days	1002	Intrathecal	L. Di Cesare Mannelli <i>et al.</i> Neurobiol Dis. 2022;168:105716
IL-4, Recombinant Mouse	Mice	4 weeks	2006	SC	J. Pajarinen <i>et al.</i> J Biomed Mater Res. 2020;1-9
IL-2, Recombinant	Rat	10 days	2002	IP	E. Deer <i>et al.</i> Cells. 2021;10:2797
IL-2	Rat	5 days	2002	IP	L. Madaro <i>et al.</i> Nat Cell Biol 2018;20(8):917-927
IL-6	Rat	14 days	2002	SC	K. Zhang <i>et al.</i> Front Cell Dev Biol. 2020;8:1-13
IL-1 β	Mice	7 days	1007D	SC	T. Romacho <i>et al.</i> Sci Rep. 2020;10:5386
IL-6	Mice	14 days	1002	Intracerebral (Lateral Ventricle)	E. E. Parks <i>et al.</i> J Lipid Res. 2020;61(10):1308-1319
IL-17, Recombinant Human	Rat	7 days	1007D	IP	P. Mehrotra <i>et al.</i> Am J Physiol Renal Physiol. 2020;319:F796-F808

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