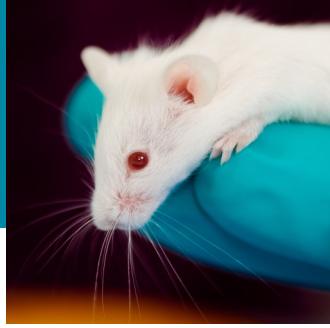
ALZET RESEARCH SUMMARY — Intratumoral



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 administration to tumors. In fact, the ALZET bibliography contains **over 80 publications** on this research application. The table below summarizes examples of recent research using ALZET pumps for intratumoral infusions including the cancer model, agent, animal species, pump model, and study duration. For additional references, please contact ALZET Technical Services.

Cancer Model	Agent	Species	Duration	Pump Model	Citation
Glioblastoma	Temozolomide	Mice	3 days	1003D	J. Enríquez Pérez *et al.* BMC Cancer. 2020;20(1):7
Glioblastoma	9.2.27-PE38KDEL; ABT-737	Mice (nude)	3 days	1007D	X. Yu *et al.* PLoS One. 2019;14(1):e0210608
Glioblastoma	Apelin-F13A; DC101 (Anti-VEGFR2 Antibody)	Mice	14; 28 days	1002; 2004	G. Mastrella *et al.* Cancer Res. 2019;79(9):2298-2313
Glioma	Bevacizumab	Mice	28 days	Not Stated	Y.X. Liu, *et al.* Onco Targets Ther. 2018;11:2673-2683
Glioblastoma	Lipopolymeric Nanoparticle siRNA	Mice	14 days	1002; 2002	D. Yu, *et al.* PNAS. 2017;114(30):E6147-E6156
Orthotopic Brain Tumor (Glioblastoma)	Telodendrimer Nanoparticle-Encapsulated Proteins & Peptides	Mice	7 days	Not Stated	X. Wang, *et al.* Biomaterials. 2016;101:258-271
Medulloblastoma	M443	Mice	14 days	Not Stated	D. Markowitz, *et al.* Mol Cancer Ther. 2016;15(8):1799-1808
Glioma	Bevacizumab	Mice	28 days	1004	W.J. Wang, *et al.* Neurosurg Focus. 2015; 38(3):E8

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