

**Selected Recent References on Continuous BrdU Labeling of Various Rodent Organs/Tissues  
Using ALZET® Osmotic Pumps**

Target Organ/Tissue	Species	BrdU Dose, or Concentration	Duration	Pump Model	Route	Citation
Hepatocytes	Rat	15 mg/ml	7 days	2ML1	N/A	Price <i>et al.</i> Toxicology and Applied Pharmacology 2007; 218(2):186-195
Tumor	Mice	250 mg/ml	5, 8 days	N/A	SC	Masunaga <i>et al.</i> J Cancer Res Clin Oncol 2007; 133(1):47-55
Nonsensory supporting cells	Chicken	10 mg/ml	8 days	2002	Ear	Cafaro <i>et al.</i> Dev Dyn 2007; 236(1):156-170
Kidney	Rat	10 mg/ml	1,2 weeks	2ML1	SC	Vogetseder, <i>et al.</i> American Journal of Physiology-Cell Physiology 2007; 292(2):C807-C813
Alveolar epithelium	Rat	2% solution (~40 mg/rat)	7 days	2ML1	SC	Pauluhn <i>et al.</i> J Applied Toxicology 2006; 23(3):279-292.
Chondrocytes	Rabbit	200 µg/kg/hr	7 days	2ML1	SC	Schrier <i>et al.</i> J Endocrinology 2006; 189(1):27-36.
Granule cells	Mice (transgenic)	25 mg/ml	1 day	2001D	SC	Overstreet-Wadiche <i>et al.</i> 2006; 26(15):4095-4103.
Hepatocytes	Mice	16 mg/ml	7 days	2001	SC	Voss <i>et al.</i> Toxicology. 2006; 222(3):165-174.
Muscle (cells)	Rat	5 mg/200 µl	21 days	2004	SC	Martins <i>et al.</i> J Physiology 2006; 572(1):281-294.
Muscle (Satellite cells)	Rat	3% solution	14 days	2ML2	SC	Hyatt <i>et al.</i> Muscle & Nerve 2006; 33(1):49-60.
Neurons	Mice (SCID)	150 mg/ml/hr	7,28 days	2004	ICV	Poluektova <i>et al.</i> Glia 2005; 52(4):344-353.
Ocular surface	Rabbit	24 mg	10-17 days	2ML2	SC	Budak <i>et al.</i> J Cell Sci. 2005; 118(8):1715-1724.
Brain (striatum)	Rat	12 µg/day	10 days	2002	CNS	Mohapel <i>et al.</i> Neuroscience 2005; 132(2):767-776.
Brain (SVZ)	Rat	50 mg/kg/day	14 days	2ML2	IP	Yang <i>et al.</i> J Comp Neurol. 2005; 490(2):163-179.
Embryos	Mice (pregnant)	1.2 mg/day	1-7 days	2001	SC	Farah <i>et al.</i> J Comp Neurol. 2005; 489(1):120-134.
Lung cells	Mice	20 mg/ml	N/A	2001	SC	Kaufmann <i>et al.</i> Reg Toxicol & Pharm. 2005; 42(1):24-36.
Myocardium	Rat (nude)	1.25 mg/day	4 weeks	2ML4	SC	Yoon <i>et al.</i> J Clin Invest. 2005; 115(2):326-338.
Gastric mucosal tissues	Mice	400 mg/kg/day	1,3,6 days	N/A	SC	Karam <i>et al.</i> Stem Cells 2005; 23(3):433-441.
Hind limb tissue	Mice	1 mg/kg/hr	14 days	2002	SC	Hayashi <i>et al.</i> Circulation. 2005; 111(17):2210-2218.
Prostate	Mice (transgenic)	60 mg/ml	14 days	2002	N/A	Huss <i>et al.</i> Cancer Res. 2005; 65(15):6640-6650.

Contact ALZET Technical Services at **1-800-692-2990** or [alzet@direct.com](mailto:alzet@direct.com) to request additional references from our database of over 10,000 research citations