
ALZET Comments: Dexamethasone; Ethanol; SC; Rat; 2ML1; 7 days; Dose (200 ug/kg/day); 10% ethanol used; Controls received mp w/ vehicle; animal info (Sprague Dawley, 8-10 weeks old); gene therapy;

ALZET Comments: Dexamethasone 21-phosphate disodium salt; IV (lateral saphenous vein); Sheep (pregnant); 2ML1; 48 hours; Dose (0.48 mg/h);

ALZET Comments: Dexamethasone acetate; SC; Rats (pregnant); 7 days; Dose (200 μg/kg maternal body weight/day); Controls received mp w/ vehicle;

Q6754: S. Raitsin, et al. Subchronic glucocorticoids, glutathione depletion and a postpartum model elevate monoamine oxidase a activity in the prefrontal cortex of rats. Brain Res 2017;1666(1-10
ALZET Comments: Dexamethasone; Saline; SC; Rat; 2ML4; 28 days; Dose (0.0, 0.05,0.5, and 2.0 mg/kg/day ); Controls received mp w/ vehicle; animal info (Male Sprague Dawley rats (325–375 g));

ALZET Comments: Glucagon-like peptide-1, Dexamethasone; Saline; CSF/CNS; Mice; 1002; 14 days; Controls received mp w/ vehicle; Dose (GLP-1: 0.1 mg/24h; Dexe: 0.0219mg/ml); animal info (20 week-old male C57Bl6j); post op. care (meloxicam for post-surgical pain (3 mg/kg); ALZET brain infusion kit 3 used; Brain coordinates (anteroposterior: 0.5 mm from bregma, lateral: +/-1.2 mm to bregma and dorsoventral: 2.1 mm below skull); Therapeutic indication (obesity);

ALZET Comments: Dexamethasone; Saline; Mice; 2 weeks; Dose (23.0 mg per day); Controls received mp w/ vehicle; animal info (9-week-old male C57BL/6 mice); Industry authored (Regeneron Pharmaceuticals);

ALZET Comments: Dexamethasone; Saline; DMSO; SC; Guinea pig; 2ML1; 3 days; 7 days; Dose (2.59 mg/kg for 3-day, 2.32 mg/kg for 7-day); animal info (21 female Hartley guinea pigs aged; 8 weeks; 350–450 mg);

Q4838: H. JIA, et al. PREVENTION OF TRAUMA-INDUCED COCHLEAR FIBROSIS USING INTRACOCHLEAR APPLICATION OF ANTI-INFLAMMATORY AND ANTI-PROLIFERATIVE DRUGS. neuroscience 2016;316(261-278
ALZET Comments: Dexamethasone; Ara-C; Perilymph, artificial; Ear (cochlea); Rat; 2001; 7 days; Controls received mp w/ vehicle; animal info (Wistar, adult); animal info (Wistar, adult); stability verified by (incubation in 37C saline for 7 days see pg 268); one cochlea received vehicle only, while other recieved drug;

ALZET Comments: Bupivacaine; clonidine; dexamethasone; Saline; CSF/CNS (sciatic nerve); Rat; 2ML1; 7 days; Controls received mp w/ vehicle; animal info (male, albino, CD[SD]); no stress (see pg. 192); post op. care (IM butorphanol tartrate
0.05 mg/kg, ceftiofur sodium 5 mg/kg); stability verified by (pg. 195); used polyurethane catheter 0.5mm ID 0.9 mmOD; pumps removed after 1 week; dose (66.6 ug/mL).


**ALZET Comments:** Dexamethasone; Saline; Ear (cochlea); Guinea pig; 1007D; 7 days; Dose (4 mg/ml); Controls received mp w/ vehicle; animal info (female Harley Albino guinea pigs, 255–455 g, 7–9 weeks old); dependence;


**ALZET Comments:** Dexamethasone; Saline; SC; Mice; 2 weeks; Controls received mp w/ saline; animal info (male, C57BL6, 11 weeks old); Dose (23 ug/day); dose-response (pg. 9).

**Q3950:** J. M. Kwiecien, et al. Subdural infusion of dexamethasone inhibits leukomyelitis after acute spinal cord injury in a rat model. FOLIA NEUROPATHOLOGICA 2015;53(41-51

**ALZET Comments:** Dexamethasone; PBS; CSF/CNS (intrathecal); Rat; 2ML2; 7 days; Controls received mp w/ vehicle; animal info (Long Evans); spinal cord injury; post op. care (ketoprofen 0.3 ml of 10 mg/ml injection, saline administration 1-2 times daily); behavioral testing (Open field testing); "Subdural infusion of dexamethasone, a powerfully anti-inflammatory, stable, synthetic analogue of glucocorticoids, allowed for circumvention of the blood-brain barrier and apparently for achieving a sufficiently high concentration of this drug in the cerebrospinal fluid in proximity of the crush lesion to prevent severe, phagocyte-rich inflammation." pg 48; used rat IT catheter; dose: 2 mg/ml.


**ALZET Comments:** Dexamethasone sodium phosphate; corticosterone; Saline; SC; Mice (pregnant); 1003D; 60 hours; Controls received mp w/ saline; animal info (female, E12.5, C57Bl6J, 8-10 weeks old); teratology; cardiovascular;

**Q3668:** K. Terada, et al. Fluvoxamine moderates reduced voluntary activity following chronic dexamethasone infusion in mice via recovery of BDNF signal cascades. NEUROCHEMISTRY INTERNATIONAL 2014;69(9-13

**ALZET Comments:** Dexamethasone; Saline; SC; Mice; 14 days; Controls received mp w/ vehicle; behavioral testing (spontaneous locomotor activity; forced swim test); "our chronic infusion model captures aspects of chronic stress loads and reduces experimental error" pg 11; depression animal model; 0.5 mg/kg/day.


**ALZET Comments:** Dexamethasone; SC; Rat (pregnant); 7 days; Controls received mp w/ vehicle; animal info (female, Sprague Dawley OFA, gestational day 14); teratology; pumps used to induce intrauterine growth restriction; dose: 100 ug/kg/day.

**Q4033:** D. R. Overby, et al. Ultrastructural Changes Associated With Dexamethasone-Induced Ocular Hypertension in Mice. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 2014;55(4922-4933

**ALZET Comments:** Dexamethasone; Cyclosporin A; PBS; SC; Mice; 1004; 3 weeks; 4 weeks; Controls received mp w/ vehicle; animal info (male, C57BL6J, 10-14 weeks); functionality of mp verified by serum plasma levels; post op. care (carprofen or buprenorphine given 12 hours after surgery); solutions were sterile-filtered using 0.22-um inline syringe filter; used Tissue Bond glue to close incision;


**ALZET Comments:** Dexamethasone; Saline; Ear (round window); Rat; 14 days; Controls received mp w/ vehicle; animal info (female, Albino, 250-33g, adult); used ALZET IT catheter to cannulate round window; "Dexamethasone infusion given after
implantation of the intracochlear model electrode was more effective for preventing hearing loss than the administration of just one dose of dexamethasone" pg 702.


ALZET Comments: Dexamethasone; SC; Rat; 2002; 7 days; Controls received mp w/ saline; animal info (Sprague Dawley Rats, 180-250g); replacement therapy (adrenalectomy);

Q3439: P. Chimin, et al. Chronic glucocorticoid treatment enhances lipogenic activity in visceral adipocytes of male Wistar rats. ACTA PHYSIOLOGICA 2014;211(409-420

ALZET Comments: Dexamethasone; Saline; SC; Rat; 1004; 4 weeks; Controls received mp w/ vehicle; animal info (male, Wistar, 10 weeks old); diabetes;


ALZET Comments: Glyburide; dexamethasone; DMSO; saline; SC; Rat (nude); 2002; Controls received mp w/ vehicle; animal info (rnu/rnu); cancer (brain tumor/metastases); Glyburide aka glibenclamide;

Q2758: V. Proserpio, et al. The methyltransferase SMYD3 mediates the recruitment of transcriptional cofactors at the myostatin and c-Met genes and regulates skeletal muscle atrophy. GENES & DEVELOPMENT 2013;27(11):1299-1312

ALZET Comments: Dexamethasone; SC; Mice; 2002; 14 days; Control animals received mp w/ saline; animal info (C57BL/6, male, 8-10 wks old).


ALZET Comments: Dexamethasone; Cycloextrin; PBS; SC; Mice; 1004; 4 weeks; Control animals received mp w/ vehicle; animal info (C57BL/6 D3R -/-, male, 8-12 wks old).

Q3587: B. A. O'Connell, et al. Treatment of pregnant spiny mice at mid gestation with a synthetic glucocorticoid has sex-dependent effects on placental glycogen stores. PLACENTA 2013;34(10):932-940

ALZET Comments: Dexamethasone; Saline; SC; Mice (pregnant); 1003D; 72 hours; Controls received mp w/ vehicle; animal info (female, spiny mouse, day 20 gestation); teratology; pumps removed after 72 hours;


ALZET Comments: Dexamethasone; SC; Mice (pregnant); 1003D; 60 hours; Control animals received mp w/ saline; animal info (A. Cahirinus).


ALZET Comments: Dexamethasone; DMSO, Saline; SC; Rat; 2ML4; 4 weeks; Controls received mp w/ vehicle ; animal info (female, Sprague-Dawley, 9 weeks old, 180-220g) ; antihypertensive; Adrenalectomy; Therapeutic indication (Kidney, Hypertension, Renal Sodium Transporters); Dose (1.2 ug x 100g/body weight x day);


ALZET Comments: Dexamethasone; NaCl; CSF/CNS; Rat; 2001; 1003D; 2, 3 days; Controls received mp w/ vehicle; animal info (Sprague Dawley, male, 200-225 g, Wistar, male, 200-225 g); PE tubing used.


ALZET Comments: Dexamethasone; Rat; Animal info (Sprague Dawley, OFA, male, female, 275-350 g);

ALZET Comments: Dexamethasone sodium phosphate; Mice; 21 days; Animal info (MNK1, MNK2, MNK1/2 KO).


ALZET Comments: Dexamethasone; imiquimod; IA (carotid); Rabbit; 2ML1; 3, 7 days; Animal info (male, New Zealand, white, 2.5-4.0 kg); one group contained mixture of dexamethasone and imiquimod.

Q2413: D. I. Carrasco, et al. Motor terminal degeneration unaffected by activity changes in SOD1(G93A) mice; a possible role for glycolysis. NEUROBIOLOGY OF DISEASE 2012;48(1):132-140

ALZET Comments: Tetrodotoxin; dexamethasone; CSF/CNS (sciatic nerve); Mice; 2002; Animal info (SOD1 G93A); good methods, pg 133.


ALZET Comments: Gentamicin; dexamethasone; melatonin; Ear (round window); Rat; 2001; 7 days; Controls received mp w/ saline; animal info (Wistar, male, 220-250 g); stability verified after 7 days (data not shown).


ALZET Comments: Dexamethasone; aldosterone; angiotensin II; Rat; 2ML2; 8 days; Controls received mp w/ vehicle; animal info (male, Sprague Dawley, 15 wks old, 300 g); replacement therapy (adrenalectomy); blood pressure measured via tail-cuff (Kent Scientific).


ALZET Comments: Hydrocortisone; dexamethasone; SC; Rat; 2004; 8 weeks; Controls received mp w/ vehicle; animal info (male, Wistar-Kyoto, 160-183 g, uninephrectomy, bilateral adrenalectomy); long-term study; pumps replaced after 4 weeks; blood pressure (SBP) was measured by tail plethysmography (BP-98A; Softron Co., Tokyo, Japan).


ALZET Comments: Dexamethasone; SC; Mice (pregnant); 1003D; 3 days; Controls received mp w/ saline; animal info (spiny, female).


ALZET Comments: Dexamethasone; DMSO; ethanol; water; SC; Rat; 2ML1; 7 days; Controls received mp w/ vehicle; animal info (Wistar, female, adult, 250-350 g); 50% DMSO used; 15% ethanol used; post op. care (buprenorphine).


ALZET Comments: Dexamethasone; Mice (pregnant); 1003D; Controls received mp w/ saline; animal info (E12.5, C57BL/6).


ALZET Comments: Dexamethasone; Mice (pregnant); 1003D; Controls received mp w/ saline; animal info (E12.5, C57BL/6).


ALZET Comments: Dexamethasone; apolipoprotein E (130-149), mimetic; Mice; 2004; 3 weeks; Controls received mp w/ apolipoprotein E scrambled, or saline); animal info (female A/J, C57BL/6, apo E-/-, LDLR-/-, 6-8 wk old); peptides;
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Bibliography

**ALZET Comments:** Dexamethasone; testosterone; Propylene glycol; Rat; 7 days; Controls received mp w/ vehicle; animal info (male, Wistar, 250 g.).

Q1603: N. A. Whitlock, et al. Increased Intraocular Pressure in Mice Treated with Dexamethasone. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE 2010;51(12):6496-6503
**ALZET Comments:** Dexamethasone; PBS; SC; Mice; 1004; 4 weeks; Controls received mp w/ vehicle; animal info (B6.129, 10-13 wks old), post op. care (buprenorphine).

**ALZET Comments:** Dexamethasone; Cyclodextrin, 2-hydroxypropyl-b.; SC; Pig (mini); 2004; 2ML4; 28 days; Controls received mp w/ normal saline; animal info (Yucatan, adult, 60-70 kg); functionality of mp verified by opening and inspecting the pump; dose-response; multiple pumps per animal (2); Fig 1, image of biosensor array with ALZET pump.

**ALZET Comments:** Dexamethasone; ICG-001; Saline; SC; Mice (transgenic); 2001; 10, 21 days; Controls received mp w/ vehicle; animal info (C57BL/6, BAT-gal transgenic).

**ALZET Comments:** Dexamethasone; DMSO; SC; Mice; 2002; 2 weeks; Comparison of SC injections vs. mp; cardiovascular; animal info (male, female, wt, MuRF1 -/-, 12-15 wks old); murine cardiac atrophy model; "osmotic pump experiments demonstrated a greater overall atrophy than the daily dexamethasone injections." (p. H1004).

**ALZET Comments:** Aldosterone; dexamethasone; SC; Rat; 2ML4; 17 days; Controls received mp w/ both agents; replacement therapy (adrenalectomy); animal info (male, Sprague Dawley, 6 wks old, 200-250 g.; 52 wks old, 650-700 g.); nephrology.

**ALZET Comments:** Testosterone; dexamethasone; Propylene glycol; Rat; 1, 7 days; Controls received mp w/ vehicle; animal info (male, Wistar, 250 g.).

**ALZET Comments:** Dexamethasone base; Perilymph, artificial; Ear (scala tympani); Guinea pig; 2001; 8 days; Controls received mp w/ vehicle; replacement therapy (cochleostomy); tissue perfusion (scala tympani); animal info (pigmented, 250-300 g.).

**ALZET Comments:** Cisplatin; Sodium thiosulfate; Brain-derived neurotrophic factor; Fibroblast growth factor; D-JNKI-1; BN82270; Tetrodotoxin; Perilymph, artificial; Dexamethasone; Methylprednisone; Caroverine; Methionine, D.; Thiourea; Liposome, cationic; Neomycin; SC; Ear (round window membrane); Ear (cochlea); Ear (scala tympani); Ear; Guinea pig; 3, 7, 14, 28 days; Gene therapy; peptides; no stress; enzyme inhibitor (peroxidase); stress/adverse reaction (see pg 1593) "Ref
#161 found local trauma and inflammatory responses; tissue perfusion (scala tympani, cochlea, round window membrane); comparison of middle ear injections vs. mp; Review, see pgs. 1587 - 1589, 1591, 1593 - 1595, refs #49, 50, 60, 63, 72, 75, 102, 104,180, 181, 194-201.


**ALZET Comments:** Methotrexate; dexamethasone; CSF, artificial; PBS; CSF/CNS (intrathecal); Rat; 7, 14 days; Controls received mp w/ vehicle; dose-response (fig. 7); comparison of IP injections vs. mp; enzyme inhibitor (dihydrofolate reductase); animal info (male, Sprague Dawley, 160-200 g., SNI); behavioral testing (paw withdrawal, mechanical allodynia, cold allodynia); "sustained intrathecal treatment may therefore suppress microglial activation much more efficiently than intermittent high-dose bolus injections." (p. 140).


**ALZET Comments:** Dexamethasone; agmatine; Saline; SC; Rat; 7, 21 days; Controls received mp w/ vehicle; dose -response (fig. 4); animal info (male, Sprague-Dawley, 250-300g); "One advantage of this study is the use of osmotic mini-pump... to ensure consistent elevations over 24-h cycle (sic)." (p. 1818).


**ALZET Comments:** Morphine; dexamethasone; CSF/CNS (intrathecal); Rat; 2001; 5 days; Animal info (male, Wistar, 350-370 grams).


**ALZET Comments:** Aldosterone; dexamethasone; DMSO; Rat; 2ML1; 6 days; Controls received mp w/ vehicle; functionality of mp verified by plasma concentrations; replacement therapy (adrenalectomy); animal info (male, Munich-Wistar, 200-250 grams); endocrinology.


**ALZET Comments:** Fas ligand; etoposide; dexamethasone; CSF, artificial; CSF/CNS (intratumoral); Rat (nude); 1002; 15 days; Tissue perfusion (tumor); functionality of mp verified by residual volume; cancer (glioblastoma); animal info (female 2 months old, 159 g.).


**ALZET Comments:** Dexamethasone; SC; Mice (pregnant); 1003D; 60 hours; Controls received mp w/ saline; no stress (see p.R455); good methods p.R454; teratology; post op. care (xylocaine, betadine); animal info (female, gestation day 20); nephrology.


**ALZET Comments:** Dexamethasone; Saline; SC; Mice; 2002; 14 days; Controls received mp w/ vehicle; animal info (MuRF1 -/- or wt, 3 months old, 25-30g).

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**ALZET Comments:** Dexamethasone; Saline, sterile; radio-isotopes; $^3$H tracer; SC; Rat; 1003D; Good methods p. 820; animal info (male, Sprague-Dawley, 375-399 g); distribution study using auto radiography, agent distributed as far as 3 mm near catheter tip; catheter length was 4 cm’s to avoid tissue irritation variables near pump; tissue distribution.

**P7771:** W. J. Henderson, et al. Reversal of allergen-induced airway remodeling by CysLT$_1$ receptor blockade. AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE 2006;173(7):718-728

**ALZET Comments:** Montelukast sodium; dexamethasone; SC; Mice; 2004; 90 days; Controls received mp w/ saline; pumps replaced every 30 days; animal info (female, BALB/C, 6-8 wk old); long-term study.


**ALZET Comments:** Dexamethasone; DMSO; saline, isotonic; SC; Mice (transgenic); 2001; 6 days; Controls received mp w/ vehicle; animal info (male, C57BL6); 20% DMSO.


**ALZET Comments:** Dexamethasone; DMSO; saline, isotonic; SC; Rat; 2002; 14 days; Animal info (Hannover-Wistar, male, 240-250g.); mp primed 4 hours in saline.


**ALZET Comments:** Dexamethasone; morphine; CSF/CNS (intrathecal, occipital); Rat; 2001; 5 days; Controls received mp w/ saline or dex; animal info (male, wistar, 400-500 g).


**ALZET Comments:** Aldosterone; dexamethasone; PEG 400; saline, normal; SC; Mice; 2004; Replacement therapy (adrenalectomy, nephrectomy).


**ALZET Comments:** Dexamethasone; Propylene glycol; SC; Rat; 2001; 7 days; Controls received mp w/ vehicle; replacement therapy (adrenalectomy); half-life (p. 86) 36-72 hours.

**P6993:** M. Thomas, et al. Dual hormonal regulation of endocrine tissue mass and vasculature by adrenocorticotropin in the adrenal cortex. Endocrinology 2004;145(9):4320-4329

**ALZET Comments:** Dexamethasone; ACTH (1-39), human; Cyclodextrin; SC; Mice; 2002; 1-14 days; Controls received mp w/ vehicle; functionality of mp verified by plasma ACTH and corticosterone levels; multiple pumps per animal (2).

**P6752:** N. Narayanan, et al. Dexamethasone treatment improves sarcoplasmic reticulum function and contractile performance in aged myocardium. MOLECULAR AND CELLULAR BIOCHEMISTRY 2004;266(1-2):31-36

**ALZET Comments:** Dexamethasone; SC; Rat; 2001; 5 days; Controls received mp w/ vehicle; good methods (p.32); cardiovascular.

**P7129:** Y. Liu, et al. Cytokines participate in neuronal death induced by trimethyltin in the rat hippocampus via type II glucocorticoid receptors. NEUROSCIENCE RESEARCH 2004;50(209-217

**ALZET Comments:** Aldosterone; dexamethasone; SC; Rat; 11,21 days; Controls received sham operation; replacement therapy (adrenalectomy).

ALZET Comments: Aldosterone; spironolactone; dexamethasone; Saline; DMSO; SC; Rat; 14 days; Controls received mp w/ vehicle; replacement therapy (adrenalectomy); <10% DMSO used.

ALZET Comments: Dexamethasone; SC; Mice; 2004; 50 days; Controls received mp w/ saline; pumps replaced after 28 days; no stress (see pg. 110); Asthma.

ALZET Comments: Dexamethasone sodium phosphate; Rat (pregnant); 2001; 7 days; Dose-response (Table 1); cardiovascular; teratology; priming dose of agent given by SC injection prior to mp implantation.

ALZET Comments: Aldosterone; dexamethasone; SC; Rat; 2ML1; 5 days; Functionality of mp verified by aldosterone plasma levels; replacement therapy (adrenalectomy).

ALZET Comments: Dexamethasone; SC; Rat; 2002; 1 week; Replacement therapy (adrenalectomy).

ALZET Comments: Dexamethasone; SC; Rat; 2002; 2ML4; 14,28 days; Dex plasma levels taken; cancer (glioma).

ALZET Comments: Dexamethasone; SC; 6 days; Cancer (glioblastoma); transplantation; pump and animal model not listed.

P5405: P. Val, et al. A 77-base pair LINE-Like sequence elicits androgen-dependent mvdpa/akr1-b7 expression in mouse vas deferens, but is dispensable for adrenal expression in rats. Endocrinology 2002;143(9):3435-3448
ALZET Comments: Testosterone; Dexamethasone acetate; Cyclodextrin; PEG; SC; Rat; 2001; 2002; 8, 10 days; Replacement therapy (orchidectomy); testosterone dissolved in cyclodextrin solution and delivered for 10 days via 2002 pumps; dexam was infused via 2001 pumps in PEG vehicle; animal info (adult, male, Wistar).

ALZET Comments: Estradiol, 17B-; Estradiol sulfamate; Dexamethasone; Growth hormone, human; Propylene glycol; SC; Rat; 2001; 7 days; controls received mp w/ vehicle; replacement therapy (ovariectomy, hypophysectomy, p. 458); comparison of oral administration vs. mp; steroid administered in PG, human GH pre-formulated.

ALZET Comments: Dexamethasone; aldosterone, D-; DMSO; saline, sterile; SC; Rat; 2002; 10 days; Replacement therapy (adrenalectomy).

ALZET Comments: Aldosterone; dexamethasone; DMSO; saline; SC; Rat; 2002; 10 days; Controls received mp w/ vehicle; functionality of mp verified by plasma levels; replacement therapy (adrenalectomy).
ALZET Comments: Dexamethasone; Perilymph, artificial; Ear (cochlea); Guinea pig; 2002; 14, 28 days; Controls received mp w/ vehicle; pumps replaced after 14 days; no stress (see pg. 67); "The current study indicates that intra-cochlear administration using osmotic pumps can provide a stable and continuous delivery of Dexamethasone without causing functional changes or tissue damage." (p. 67); tissue perfusion (cochlea).

ALZET Comments: Dexamethasone; Rat; 1007D; 7 days; Replacement therapy (adrenalectomy).

ALZET Comments: Dexamethasone; SC; Rat; 2001; 7 days; Controls received mp w/ vehicle; replacement therapy (adrenalectomy p. H326); cardiovascular.

ALZET Comments: Dexamethasone; SC; Rat (pregnant); 7 days; Controls received sham surgery; cardiovascular; teratology; dexamethasone causes excess glucocorticoid exposure (causes hypertension and hyperinsulinemia).

ALZET Comments: Aldosterone, D-; Dexamethasone; PEG 400; SC; Rat; 2002; 14 days; Dose (Aldosterone (5 µg/kg/day); Dexamethasone (12 µg/kg/day)); Controls received mp w/ vehicle; animal info (Adult male Sprague-Dawley rats weighing 220–240 g); post op. care (1.2 mg/kg buprenorphine hydrochloride s.c.).

ALZET Comments: Aldosterone; Dexamethasone; SC; Rat; 2002; 8-12; functionality of mp verified by plasma aldosterone levels; replacement therapy (adrenalectomy p.195); "the plasma concentration of aldosterone achieved via osmotic minipump is just sufficient to maintain the rats in good health without causing over-stimulation." p. 197; mineralocorticoids.

ALZET Comments: Dexamethasone; PBS; Ear (round window membrane); Guinea pig; 2002; Controls received mp w/ vehicle; tissue perfusion (bulla); comparison of IP injections vs. mp; multiple pumps per animal (2) (one containing dexamethasone for one ear, the other containing PBS for the other ear).
ALZET Comments: Aldosterone; Dexamethasone; SC; Rat; 2ML4; 7 days; Controls received mp with Aldosterone or Dexamethasone; replacement therapy (adrenalectomy); glucocorticoid.

P4885: A. Attmane-Elakeb, et al. Regulation by glucocorticoids of expression and activity of rBSC1, the Na+K+ (NH4+)-2Cl(-) cotransporter of medullary thick ascending limb. Journal of Biological Chemistry 2000;275(33548-33553
ALZET Comments: Dexamethasone; SC; Rat; 6 days; controls received sham adrenalectomy; functionality of mp verified by plasma electrolyte levels; replacement therapy (adrenalectomy); dexamethasone dose restores normal glucocorticoid activity after adrenalectomy, controls electrolyte levels.