References on the Administration of Vasoactive Intestinal Polypeptide Using ALZET® Osmotic Pumps

ALZET Comments: Peptide, Vasoactive intestinal; Saline; SC; Mice (transgenic); 2 days; Controls received mp w/ vehicle; animal info (male, 9x-NFAT-luciferase, 2-3 months old, 20-25g); peptides; Dose (0.166 mg/kg/day).

ALZET Comments: Vasoactive intestine peptide; iloprost; tezosentan; IP; Rat; 2ML4; 4 weeks; Controls received mp w/ saline; animal info (adult. male, Sprague Dawley, 213-382 g); peptides.

ALZET Comments: Vasoactive intestinal peptide; vasoactive intestinal peptide pituitary adenylate cyclase-activating peptide receptor agonist; PBS; SC; Mice; 4 weeks; Controls received mp w/ vehicle; animal info (female, apoE -/-, 12 wks old); peptides.

ALZET Comments: Vasoactive intestinal polypeptide; p-chloro-D-Phe5Leu17-; SC; Rat; 1007D; 7 days; Controls received mp w/ vehicle; peptides; animal info (male, Sprague Dawley, 6-8 wks old); VPAC 1/2 receptor antagonist.

ALZET Comments: Vasoactive intestinal peptide; SC; Mice; 3, 7 days; Controls received mp w/ saline; functionality of mp verified by VIP plasma levels; comparison of IP injections vs. mp; immunology; peptides; TNBS-induced colitis.

ALZET Comments: Vasoactive intestinal peptide; Saline; SC; Mice; 48 hours; Controls received mp w/ saline; immunology; peptides.

ALZET Comments: Transforming growth factor-a; Brain-derived neurotrophic factor; Vasoactive intestinal polypeptide; Peptide, histidine-isoleucine; Gastrin releasing peptide; Substance P; Neuromedin-C; Neurokinin A; Neuropeptide K; Neuropeptide Y; Somatostatin; Antrin; Cholecystokinin; Thyrotropin-releasing hormone; Neurectosmin; Neuromedin N; CSF, artificial; CSF/CNS (third ventricle); hamster; 2002; 18-22 days; peptides.

ALZET Comments: Vasoactive intestinal peptide; forskolin; PBS; DMSO; SC; Mice (nude); 2002; 8 weeks; Controls received mp w/PBS; dose-response (pg. 14376-14377); long-term study, pumps replaced after 2 weeks; cancer (lung); multiple pumps per animal (2) in some animals; "For systemic delivery of peptides in vivo, constant infusion by osmotic pumps increases efficacy and reduces side effects relative to bolus injection." (p. 14377).

ALZET Comments: Vasoactive intestinal peptide; Neuropeptide Y; VIP antagonist; Trinositol, a-; Heparin; Saline; CSF/CNS (intrathecal); Rat; 2002; 2 weeks; Peptides; 10 U/ml of heparin.
ALZET Comments: Vasoactive intestinal peptide, porcine; Prolactin, ovine; Saline; Sodium bicarbonate; SC; CSF/CNS; CSF/CNS (median eminence); bird (turkey); 2001; 2002; 7, 10, 12 days; controls received mp with saline; functionality of mp verified by residual volume; stability of pVIP -- still potent after 17 days in sc pump; peptides; pumps implanted after recovery from CNS surgery.

ALZET Comments: Somatostatin; Substance P; Vasoactive intestinal peptide; SC; mice; 7 days; immunology; peptides.

ALZET Comments: Thyrotropin-rel. factor; Vasoactive intestinal peptide; Acetic acid; SC; Rat; 2001; 4 days; controls received mp w/ vehicle; functionality of mp verified by elevated plasma levels; peptides.