

**Citations:** **NT-proANP ELISA (cat. no BI-20892) for the measurement of NT-pro-ANP in rat and mouse samples**

**Citations measurement of NT-pro-ANP in rat samples:**

**Citations on Kit Validation:**

- [Cross-laboratory analytical validation of the cardiac biomarker NT-proANP in rat .](#)  
Vinken, P., Reagan, W.J., Rodriguez, L.A., Buck, W.R., Lai-Zhang, J., Goeminne, N., Barbacci, G., Liu, R., King, N.M.P., Engle, S.K., Colton, H., 2016. J Pharmacol Toxicol Methods 77:58–65. PMID: 26516096.
- [An initial characterization of N-terminal-proatrial natriuretic peptide in serum of Sprague Dawley rats.](#)  
Colton, H.M., Stokes, A.H., Yoon, L.W., Quaile, M.P., Novak, P.J., Falls, J.G., Kimbrough, C.L., Cariello, N.F., Jordan, H.L., Berridge, B.R., 2011. Toxicol Sci 120, 262–268. PMID: 21242511.

**Other citations:**

[Primary pulmonary arterial hypertension: protocol to assess comprehensively in the rat the response to pharmacologic treatments.](#)

Novelli, D., Fumagalli, F., Staszewsky, L., Ristagno, G., Olivari, D., Masson, S., De Giorgio, D., Ceriani, S., Massafra, R., De Logu, F., Nassini, R., Milioli, M., Facchinetti, F., Cantoni, S., Trevisani, M., Letizia, T., Russo, I., Salio, M., Latini, R., 2019. MethodsX 19;7:100771. PMID: 31993338.

[Monocrotaline-induced pulmonary arterial hypertension: Time-course of injury and comparative evaluation of macitentan and Y-27632, a Rho kinase inhibitor.](#) Novelli, D., Fumagalli, F., Staszewsky, L., Ristagno, G., Olivari, D., Masson, S., De Giorgio, D., Ceriani, S., Affatato, R., De Logu, F., Nassini, R., Milioli, M., Facchinetti, F., Cantoni, S., Trevisani, M., Letizia, T., Russo, I., Salio, M., Latini, R., 2019. European Journal of Pharmacology 865, 172777. PMID: 31697933.

[Effects of dual angiotensin type 1 receptor/neprilysin inhibition vs. angiotensin type 1 receptor inhibition on target organ injury in the stroke-prone spontaneously hypertensive rat.](#)

Rubattu, S., Cotugno, M., Forte, M., Stanzione, R., Bianchi, F., Madonna, M., Marchitti, S., Volpe, M., 2018. J. Hypertens. 36, 1902–1914. PMID: 29916993.

[FGF21 increases water intake, urine output and blood pressure in rats.](#) Turner, T., Chen, X., Zahner, M., Opsahl, A., DeMarco, G., Boucher, M., Goodwin, B., Perreault, M., 2018. PLOS ONE 14;13(8):e0202182. PMID: 30106981

[Evaluation of Cardiac Toxicity Biomarkers in Rats from Different Laboratories.](#)

Kim, K., Chini, N., Fairchild, D.G., Engle, S.K., Reagan, W.J., Summers, S.D., Mirsalis, J.C., 2016. Toxicol Pathol 44, 1072–1083. PMID: 27638646.

**Serum Natriuretic Peptides as Differential Biomarkers Allowing for the Distinction between Physiologic and Pathologic Left Ventricular Hypertrophy .**

Dunn, M.E., Manfredi, T.G., Agostinucci, K., Engle, S.K., Powe J., King, N.M.P., Rodriguez, L.A., Gropp, K.E., Gallacher, M., Vetter, F.J., More, V., Shimpi, P., Serra, D., Colton, H.M., for The Cardiac Hypertrophy Working Group of the Predictive Safety Testing Consortium . 2017. Toxicol Pathol 45(2): 334-352. PMID: 27102652

**Natriuretic Peptides as Cardiovascular Safety Biomarkers in Rats: Comparison With Blood Pressure, Heart Rate, and Heart Weight .**

Engle, S.K., and Watson, D.E. 2016. Toxicol Sci 149: 458 - 472. PMID: 26609138.

**Integrated Approach to Early Detection of Cardiovascular Toxicity Induced by a Ghrelin Receptor Agonist .**

Stokes, A.H., J. Falls G., Yoon, L., Cariello, N., Faiola, B., Colton, H.M., Jordan, H.L., and Berridge, B.R. 2015. Int J Toxicol 34: 151 - 161. PMID: 25722321.

**Essential role of sympathetic endothelin A receptors for adverse cardiac remodeling .**

Lehmann LH., Rostosky JS., Buss SJ., Kreusser MM., Krebs J., Mier W., Enseleit F., Spiger K., Hardt SE., Wieland T., Haass M., Lüscher TF., Schneider MD., Parlato R., Gröne HJ., Haberkorn U., Yanagisawa M., Katus HA., Backs J., 2014. Proc Natl Acad Sci 16;111(37):13499-504.

**Atrial natriuretic peptides in Han Wistar, Sprague-Dawley and spontaneously hypertensive rats.**

Crivellente, F., Bocchini, N., Bonato, M., Vandin, L., Faustinelli, I., Cristofori, P., 2012. J Appl Toxicol 32, 521–526. PMID: 22083722.

**Mechanism of 1-deamino-arginine vasotocin induced natriuresis in rats.** Karavashkina, T.A., Kutina, A.V., Shakhmatova, E.I., Natochin, Y.V., 2011. General and Comparative Endocrinology 170, 460–467. PMID: 21050856.

**Detection of left ventricular hypertrophy in rats administered a peroxisome proliferator-activated receptor alpha/gamma dual agonist using natriuretic peptides and imaging.**

Engle, S.K., Solter, P.F., Credille, K.M., Bull, C.M., Adams, S., Berna, M.J., Schultze, A.E., Rothstein, E.C., Cockman, M.D., Pritt, M.L., Liu, H., Lu, Y., Chiang, A.Y., Watson, D.E., 2010. Toxicol. Sci. 114, 183–192. PMID: 20044590.

**Metoprolol improves cardiac function and modulates cardiac metabolism in the streptozotocin-diabetic rat.**

Sharma, V., Dhillon, P., Wambolt, R., Parsons, H., Brownsey, R., Allard, M.F., McNeill, J.H., 2008. Am. J. Physiol. Heart Circ. Physiol. 294, H1609-1620. PMID: 18203848.

**Vasopeptidase inhibition prevents target organ damage and improves survival in spontaneously hypertensive rats.**

Linz, W., Schäfer, S., Afkham, F., Gerl, M., Schmidts, H.-L., Rütten, H., 2006. J Renin Angiotensin Aldosterone Syst 7, 155–161. PMID: 17094052.

**Citations measurement of NT-proANP in mouse samples:**

**Plasma levels of heart failure biomarkers are primarily a reflection of extracardiac production.**

Du W., Piek A., Schouten EM., van de Kolk CWA., Mueller C., Mebazaa A., Voors AA., de Boer RA., Silljé HHW., 2018. *Theranostics* 30;8(15):4155-4169. PMID: 30128044.

**Mutation of the Na(+)-K(+)-2Cl(-) cotransporter NKCC2 in mice is associated with severe polyuria and a urea-selective concentrating defect without hyperreninemia.**

Kemter E., Rathkolb B., Bankir L., Schrewe A., Hans W., Landbrecht .C, Klaften M., Ivandic B., Fuchs H., Gailus-Durner V., Hrabé de Angelis M., Wolf .E, Wanke R., Aigner B., 2010. *Am J Physiol Renal Physiol* 298(6):F1405-15. PMID: 20219826.

**Atrial natriuretic peptide and osteopontin are useful markers of cardiac disorders in mice.**

Schoensiegel F., Bekeredjian R., Schrewe A., Weichenhan D., Frey N., Katus HA., Ivandic BT., 2007. *Comp Med* 57(6):546-53. PMID: 18246866.