Medix Biochemica

Recombinant NT-proBNP antigen, 100 µg

Catalog number	610090
Description	Recombinant human N-terminal pro-B-type natriuretic peptide (NT-proBNP) with an N-terminal histidine tag. Predicted molecular weight: 11 kDa.
Amino acid sequence	MGSSHHHHHHSSGLVPRGSHMHPLGSPGSASDLETSGLQEQRNHLQGK LSELQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPR
Product host	Escherichia coli (E. coli)
Product formulation	Lyophilized
Product buffer solution	Lyophilized from 50 mM Tris-HCl, pH 7.5; 150 mM NaCl; containing 3 % sucrose, 2 % D-mannitol and 0.01 % Tween 20 as stabilizers.
Reconstitution	Reconstitute the lyophilized protein with deionized water
Shelf life and storage	Unspecified for lyophilized product, storage at 2-8°C. After reconstitution 1 month at 2-8°C and 1 month at -20 °C.
Analyte description	Pro-B-type natriuretic peptide (ProBNP) is released from cardiac myocytes, and is cleaved into BNP and its N-terminal fragment, NT-proBNP. Plasma concentrations of both BNP and NT-proBNP are significantly increased in patients with asymptomatic and symptomatic left ventricular dysfunction. There is excellent clinical and statistical correlation between assays for BNP and NT-proBNP. Due to the longer half-life in the circulation, NT-proBNP levels in blood plasma are generally 6–10 times higher than BNP. The better stability and wider dynamic range for NT-proBNP may provide an advantage in clinical testing.
Product concentration	N/A
Purity	Capillary electrophoresis (CE-SDS)
	10 kD 14.4 kD 20.1 kD 30 kD
Antibodies tested	Anti-h NT-proBNP 1306/RC1306: + Anti-h NT-proBNP 1307/RC1307: + Anti-h NT-proBNP 1308: + Anti-h NT-proBNP 1309: + Anti-h NT-proBNP 1310: + Anti-h NT-proBNP 1311: + Anti-h NT-proBNP 1312: +



Oy Medix Biochemica Ab Klovinpellontie 3, FI-02180 Espoo, Finland medix@medixbiochemica.com www.medixbiochemica.com VAT reg. no. FI14631532

Legal disclaimer

Medix Biochemica products meet their specifications if transported, stored, and used according to the instructions. Medix Biochemica's products may not be used or reproduced without Medix Biochemica's written permission.