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## Product Datasheet

### Human Atrial Natriuretic Peptide (ANP) ELISA Kit BYT-ORB1807123

|                            |   |
|----------------------------|---|
| Article Name               | Human Atrial Natriuretic Peptide (ANP) ELISA Kit    |
| Biozol Catalog Number      | BYT-ORB1807123                                      |
| Supplier Catalog Number    | orb1807123  |
| Alternative Catalog Number | BYT-ORB1807123-48,BYT-ORB1807123-96                 |
| Manufacturer               | Biorbyt   |
| Category                   | Kits/Assays   |
| Species Reactivity         | Human   |
| Product Description        | Human Atrial Natriuretic Peptide (ANP) ELISA Kit... |
| Range                      | 7.82-500pg/mL                                       |
| Sensitivity                | 3.1 pg/mL   |
| UniProt                    | <a href="#">P01160</a>                              |
| Samples                    | plasma  |
| Target                     | ANP   |

Application Notes

Application Notes: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human ANP. During the reaction, Human ANP in the sample or standard competes with a fixed amount of Human ANP on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human ANP. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Human ANP in tested samples can be calculated by comparing the OD of the samples to the standard curve