

|                               |                                                                                                                                                                                                                                                                                                                                 |                          |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Catalog #</b>              | RK-011-17                                                                                                                                                                                                                                                                                                                       |                          |
| <b>Standard Size</b>          | 125 RIA tubes                                                                                                                                                                                                                                                                                                                   |                          |
| <b>Radioactivity</b>          | This kit contains 1.5 µCi of Iodine 125                                                                                                                                                                                                                                                                                         |                          |
| <b>Range</b>                  | 1-128 pg/tube in 100ul of Standard Solution = 10-1280 pg/ml                                                                                                                                                                                                                                                                     |                          |
| <b>Lowest Detection Limit</b> | 54 pg/ml                                                                                                                                                                                                                                                                                                                        |                          |
| <b>Cross Reactivity</b>       | <b>Peptide:</b>                                                                                                                                                                                                                                                                                                                 | <b>%Cross-reactivity</b> |
|                               | BNP-45 (Rat)                                                                                                                                                                                                                                                                                                                    | 100                      |
|                               | BNP-32 (Rat)                                                                                                                                                                                                                                                                                                                    | 100                      |
|                               | BNP-45 (Mouse)                                                                                                                                                                                                                                                                                                                  | 41                       |
|                               | BNP-32 (Human)                                                                                                                                                                                                                                                                                                                  | 0                        |
|                               | BNP-32 (Porcine)                                                                                                                                                                                                                                                                                                                | 0                        |
|                               | BNP-26 (Porcine)                                                                                                                                                                                                                                                                                                                | 0                        |
|                               | BNP-32 (Canine)                                                                                                                                                                                                                                                                                                                 | 0                        |
|                               | ANP (Rat)                                                                                                                                                                                                                                                                                                                       | 0                        |
|                               | α-ANP (1-28) (Human, Porcine)                                                                                                                                                                                                                                                                                                   | 0                        |
|                               | Endothelin-1                                                                                                                                                                                                                                                                                                                    |                          |
|                               | (Human, Bovine, Canine, Mouse, Rat, Porcine)                                                                                                                                                                                                                                                                                    | 0                        |
|                               | Angiotensin II (Human)                                                                                                                                                                                                                                                                                                          | 0                        |
| <b>Sequence</b>               | Ser - Gln - Asp - Ser - Ala - Phe - Arg - Ile - Gln - Glu - Arg - Leu -<br>Arg - Asn - Ser - Lys - Met - Ala - His - Ser - Ser - Ser - Cys - Phe -<br>Gly - Gln - Lys - Ile - Asp - Arg - Ile - Gly - Ala - Val - Ser - Arg - Leu<br>- Gly - Cys - Asp - Gly - Leu - Arg - Leu - Phe ~Disulfide bridge<br>between Cys23 & Cys39 |                          |