



# Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

Tel: (800) 922-1516 • (650) 592-5392

Fax: (650) 595-4071

www.bachem.com



**Cat. No. S-1413**

**Amylin (mouse, rat)**

**(for rat serum and plasma samples)**

**SPECIFICATIONS:** Extraction-free kit for rat serum/plasma

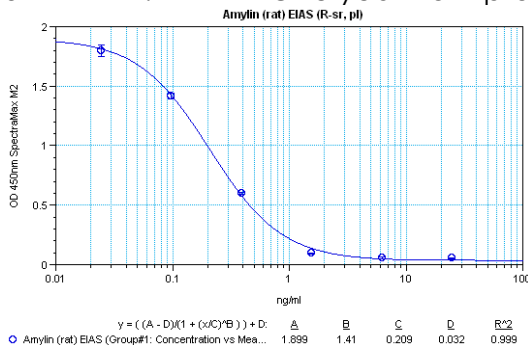
**STANDARD:** 1 µg H-9475 H-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Asn-Phe-Leu-Val-Arg-Ser-Ser-Asn-Asn-Leu-Gly-Pro-Val-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Tyr-NH<sub>2</sub>, (Disulfide bond)

**PROTOCOL:** V (Ab1hr.Std2hr.BtON)

**RANGE:** 0-25 ng/ml

**AVERAGE IC<sub>50</sub>:** 0.5 ng/ml

**SHELF-LIFE:** One year from production date



| Suggested Preparation of Standards |       |                                  |
|------------------------------------|-------|----------------------------------|
|                                    | ng/ml | Range: 0.02 to 25 ng/ml          |
| Stock                              | 1000  |                                  |
| S1                                 | 25.00 | Add 25 µl stock + 975 µl diluent |
| S2                                 | 6.25  | Add 200 µl S1 + 600 µl diluent   |
| S3                                 | 1.56  | Add 200 µl S2 + 600 µl diluent   |
| S4                                 | 0.39  | Add 200 µl S3 + 600 µl diluent   |
| S5                                 | 0.10  | Add 200 µl S4 + 600 µl diluent   |
| S6                                 | 0.02  | Add 200 µl S5 + 600 µl diluent   |
| S0                                 | 0.00  | 500 µl diluent                   |

## CROSS REACTION:

### PEPTIDE

|                                          | %     |
|------------------------------------------|-------|
| Amylin (rat)                             | 100   |
| Amylin (feline)                          | 100   |
| Amylin (human)                           | 10    |
| Amylin (free acid) (human)               | 0     |
| Insulin (human)                          | 0     |
| Proinsulin (human)                       | 0     |
| Glucagon (1-29) (human, bovine, porcine) | 0     |
| Somatostatin-28                          | 0     |
| Pancreatic Polypeptide (human)           | 0     |
| VIP (human, bovine, rat, porcine)        | 0     |
| NPY (porcine)                            | 0     |
| α-CGRP (human)                           | <0.01 |
| α-CGRP (rat)                             | <0.01 |
| β-CGRP (human)                           | <0.01 |
| β-CGRP (rat)                             | <0.01 |

Cross-Reactivity data is taken from Radioimmunoassay applications.