



# Peninsula Laboratories, LLC

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## Cat. No. S-1428 Leumorphin (human)

**SPECIFICATIONS:** Formulated for extracted samples

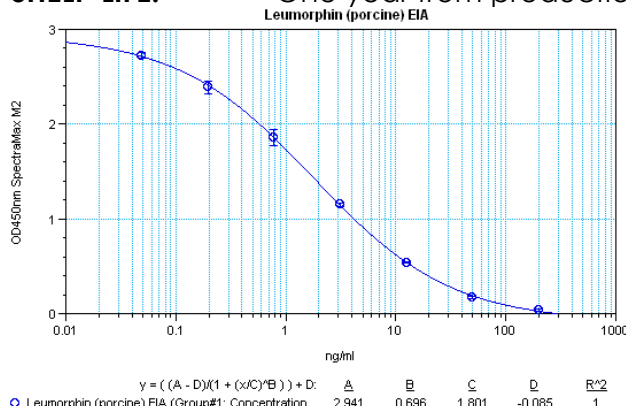
**STANDARD:** 1 µg (not available separately)

**PROTOCOL:** III (Std.Ab1hr.Bt)

**RANGE:** 0-200 ng/ml

**AVERAGE IC<sub>50</sub>:** 2 ng/ml

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



| Suggested Preparation of Standards |        |                                   |
|------------------------------------|--------|-----------------------------------|
|                                    | ng/ml  | Range: 0.20 to 200 ng/ml          |
| <b>Stock</b>                       | 1000   |                                   |
| <b>S1</b>                          | 200.00 | Add 200 µl stock + 800 µl diluent |
| <b>S2</b>                          | 50.00  | Add 200 µl S1 + 600 µl diluent    |
| <b>S3</b>                          | 12.50  | Add 200 µl S2 + 600 µl diluent    |
| <b>S4</b>                          | 3.13   | Add 200 µl S3 + 600 µl diluent    |
| <b>S5</b>                          | 0.78   | Add 200 µl S4 + 600 µl diluent    |
| <b>S6</b>                          | 0.20   | Add 200 µl S5 + 600 µl diluent    |
| <b>S0</b>                          | 0.00   | 500 µl diluent                    |

### CROSS REACTION:

| PEPTIDE                | %   |
|------------------------|-----|
| Leumorphin (human)     | 100 |
| Leumorphin (porcine)   | 100 |
| Prodynorphin (209-240) | 28  |
| β-Neoendorphin         | 0   |
| Dynorphin A (1-8)      | 0   |
| Dynorphin A (1-17)     | 0   |
| α-Neoendorphin         | 0   |
| Leu-Enkephalin         | 0   |
| Met-Enkephalin         | 0   |
| β-Endorphin (human)    | 0   |

Cross-Reactivity data is taken from Radioimmunoassay applications.