

Ghrelin, a recently discovered hormone secreted primarily by the stomach, stimulates the release of Growth Hormone and has been implicated in regulating hunger and long-term weight gain/loss. Ghrelin is an Octanoylated, 28-residue peptide. The n-octanoyl group at Ser3 appears to be required for biological activity.

• All components are included in each kit (standards, antibody, tracer, quality controls, precipitating reagent and buffers) to complete a RIA.

CATALOG NO.

GHRA-88HK

Ghrelin (ACTIVE) RIA

QUANTITY

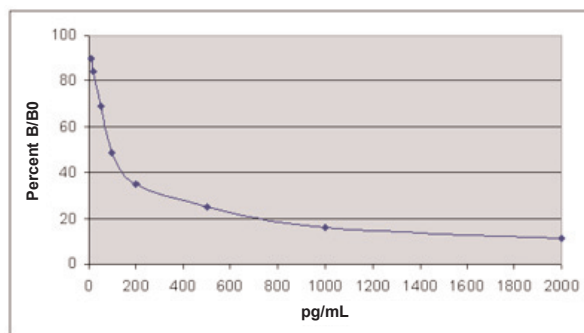
125 Tube Kit

LINCO's Ghrelin (ACTIVE) assay is the first available assay to SPECIFICALLY measure biologically active Ghrelin.

LABEL: ¹²⁵I - Human Ghrelin (~ 15,000 cpm/tube)

SPECIFICITY:

Human Ghrelin	100%
Rat Ghrelin	100%
Canine Ghrelin	100%
Ghrelin 1-10	100%
Des-Octanoylghrelin	< 0.1%
Ghrelin 14-28	*
Motilin Related Peptide	*
Human Leptin	*
Human Insulin	*
Glucagon	*
GLP-1 (7-36)	*



PERFORMANCE:

ED₈₀ = 21 ± 5 pg/mL
 ED₅₀ = 105 ± 5 pg/mL
 ED₂₀ = 585 ± 20 pg/mL

ASSAY CONDITIONS:

Two-day disequilibrium assay at 4°C
 Sample volume: ≤ 100 µL
 Plasma (collected on ice) recommended

* Not Detectable

CATALOG NO.

GHRT-89HK

Ghrelin (TOTAL) RIA

QUANTITY

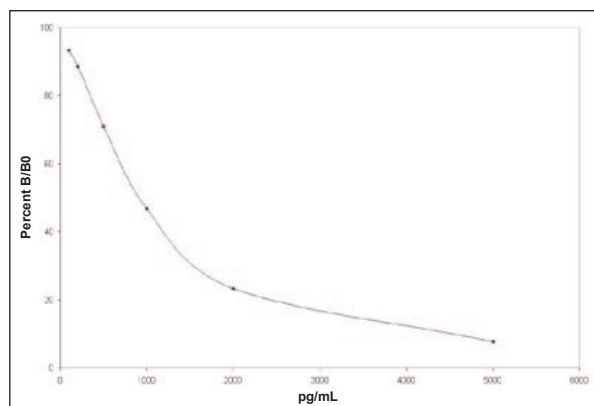
125 Tube Kit

LINCO's Ghrelin (TOTAL) assay measures both Octanoylated Ghrelin and Des-Octanoylated human and rat Ghrelin.

LABEL: ¹²⁵I - Human Ghrelin (~ 15,000 cpm/tube)

SPECIFICITY:

Human Ghrelin	100%
Rat Ghrelin	100%
Canine Ghrelin	100%
Ghrelin 14-28	100%
Des-Octanoylghrelin	100%
Ghrelin 1-10	*
Motilin Related Peptide	*
Glucagon	*
GLP-1 (7-36)	*
Human Leptin	*
Human Insulin	*



PERFORMANCE:

ED₈₀ = 415 ± 17 pg/mL
 ED₅₀ = 943 ± 60 pg/mL
 ED₂₀ = 2107 ± 187 pg/mL

ASSAY CONDITIONS:

Two-day disequilibrium assay at 4°C
 Sample volume: ≤ 100 µL
 Plasma (collected on ice) recommended

* Not Detectable

For technical questions (Technical Assistance) or to place an order (Customer Service) please call LINCO Research at: 636-441-8400; OR Toll Free U.S.: 866-441-8400.

For a Kit Protocol, see LINCO's website at www.lincoresearch.com/protocols/index.htm.

THIS KIT IS FOR RESEARCH PURPOSES ONLY.

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