

Enabling new **discoveries**  
through **novel** markers.

## ACTIVE Inhibin B Gen II ELISA



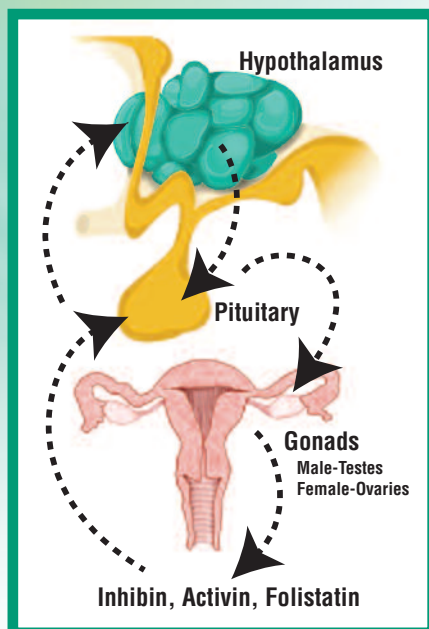
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The ACTIVE Inhibin B Gen II Enzyme-Linked Immunosorbent (ELISA) Kit provides materials for the quantitative measurement of inhibin B in serum and lithium heparin plasma.

Inhibins are heterodimeric ( $\alpha$ - and  $\beta$ -subunits linked by disulfide bridges) polypeptide hormones which selectively suppress the secretion of pituitary follicle stimulating hormone (FSH) and also have local paracrine actions on the gonads.<sup>1</sup> Precursor forms of the  $\alpha$ -subunit and also free  $\alpha$ -subunit forms, unassociated with a  $\beta$ -subunit and lacking inhibin bioactivity, occur in follicular fluid and serum.<sup>2</sup> Inhibin B is produced by Sertoli cells (male testes) and granulosa cells (female ovary). Its primary role is reported to be in the regulation of gametogenesis via negative feedback on the production of FSH.

Published research reports have assessed Inhibin B levels as endocrine markers for the study of male<sup>3,4</sup> and female<sup>5,6</sup> gonadal function. Areas of research include:

- Maternal and Fetal Health
- Fertility Assessment
- Hormonal Reproductive Disorders
- Male Infertility
- Assisted Reproductive Technology (A.R.T.)
- Estrogen Status
- Ovarian Reserve
- Hormone Replacement Therapy



# ACTIVE Inhibin B Gen II ELISA

The Active Inhibin B Gen II ELISA uses the highly characterized pair of antibodies<sup>7</sup> that specifically recognize only the functional dimeric inhibin B molecule and does not measure the free  $\alpha$  -subunit forms present in biological fluids.

No sample pretreatment	Provides convenience and saves time in processing samples
Reproducible	Features excellent lot-to-lot reproducibility for consistency of research study results
Turnaround time	< 4 hour incubation time means same day results
Breakaway wells	Conserves assay reagents and increases flexibility for assay run size
Calibrator/Controls sold separately	Supplies greater flexibility for storage conditions

## Characteristics

Format	ELISA, 96 wells
Sample Type/Size	Serum and Li-Hep plasma, 50 $\mu$ L
Incubation time	< 4 hour
Methodology	Three-step "sandwich" assay
Analytical Sensitivity	< 5.0 pg/mL
Shelf-life	18 months from date of manufacture
Approximate Calibrator Levels	6 levels: 0, 10, 30, 100, 250 and 1000 pg/mL
Calibration Stability	Once thawed, stable at 2-8°C for 10 days
Control Levels	2 levels, 1 mL each
Control Stability	Once thawed, stable at 2-8°C for 10 days

## Ordering Information

ACTIVE Inhibin B Gen II ELISA Kit (RUO US)*	A81301
Inhibin B Gen II Calibrators and Controls Kit (RUO US)*	A81302
ACTIVE Inhibin B Gen II ELISA Kit (IVD CE)**	A81303
Inhibin B Gen II Calibrators and Controls Kit (IVD CE)**	A81304

## References

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\* Research use only, not for use in diagnostic procedures.

\*\* Not available in all geographies.

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