



Inhibin A



fertility & Reproductive function

*When it comes to our future,
we all want peace of mind.*

That is why a growing number of clinical laboratories offer Inhibin A in their panel of reproductive function tests. DSL's Inhibin A ELISA is the only dimeric Inhibin A assay available for clinical use in the diagnosis and monitoring of various hormonal reproductive disorders.



The Benefits are clear:

- FDA cleared for *in vitro* diagnostic use
- No sample pre-treatment
- Straightforward procedure
- Flexibility of automated or manual use

Current Areas of Clinical Research

- Fertility Status
- Pre-eclampsia
- Fetal Development
- Gestational Diabetes
- IVF
- Ovarian Cancer

Committed to the science of
Advancing Diagnostics™

DSL-10-28100-1 Inhibin A 1x96 Wells

DSL-10-28100-4 Inhibin A 4x96 Wells

Performance

Sample:

50 μ L of serum or plasma

Standard Range:

10-1000 pg/mL

Sensitivity:

1 pg/mL

Specificity:

The detection and capture antibodies used in the DSL-10-28100 *Active* Inhibin A ELISA are highly specific for the dimeric inhibin A molecule, with minimal cross-reactivity to the pro-alpha C subunit, inhibin B or activins.

Precision:

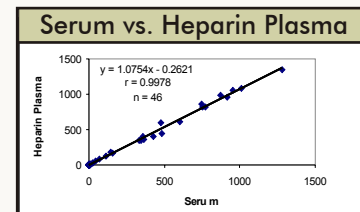
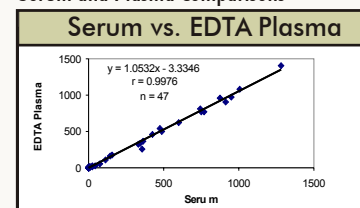
Intra-Assay (n=12)

| Mean (pg/mL) | %CV |
|--------------|-----|
| 23 | 6.2 |
| 84 | 3.5 |
| 212 | 3.6 |
| 392 | 3.1 |
| 781 | 3.0 |

Inter-Assay (n=12)

| Mean (pg/mL) | %CV |
|--------------|-----|
| 37 | 7.4 |
| 198 | 7.8 |
| 560 | 6.1 |

Serum and Plasma Comparisons



Method Comparison:

The DSL-10-28100 *Active* Inhibin A ELISA (Y) has been compared to another commercially available dimeric Inhibin A ELISA (Method X). Two hundred fourteen samples ranging from 57-1045 pg/mL were simultaneously assayed by both methods. Linear regression analysis of the comparison resulted in the following regression equation:

$$n = 214$$

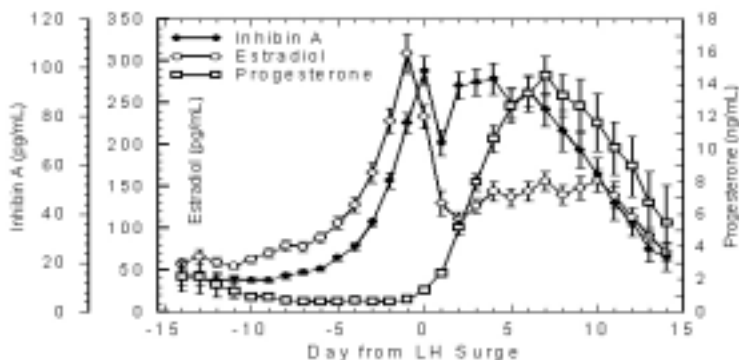
$$[\text{DSL-10-28100}] = 1.16 [\text{Method X}] - 9.35$$

$$r = 0.94$$

Clinical Data

Measurements of Inhibin A are shown to be useful in studying its role in human reproductive physiology. Several published reports indicate the utility of Inhibin A measurement as an endocrine marker for monitoring ovarian function.

Physiological Profiles of Inhibin A, Estradiol and Progesterone during the Normal Ovulatory Cycle



Inhibin A and Estradiol Profiles in Ovulation Induction Cycles

