

ANTI-MÜLLERIAN HORMONE (AMH) TESTING



As part of our wide range of reproductive pathology services, Australian Clinical Labs also offers the Anti-Müllerian Hormone (AMH) test.

What is an AMH test?

In females, Anti-Müllerian hormone (AMH) is an established biomarker produced by antral and pre-antral follicles for assessing the ovarian reserve. This is considered an important tool in assessing potential fertility.

The relationship between the ovarian reserve and AMH levels is routinely used in:

- The assessment of fertility, the so-called antral follicle count (AFC).
- Prediction of oocyte retrieval (egg collection).
- Prediction of ovarian responsiveness to stimulation regimes.
- Assessing the reproductive capacity and detection of an earlier than expected reduction in the ovarian reserve.

AMH testing:

- Is recommended by clinicians to assess whether the patient's AMH result is outside the range of fertile women of her age.
- Supports the diagnosis of polycystic ovarian syndrome (PCOS).
- May predict therapeutic responses to clomiphene, or recombinant FSH.
- May predict early menopause.
- Clinically applied for monitoring of granulosa cell tumours to detect residual or recurrent disease.

When should AMH be tested?

- AMH levels have minimal fluctuation during the normal menstrual cycle and can therefore be tested at any time.

Requesting an AMH test from Australian Clinical Labs

1. Health Practitioners can order an AMH test by using the Australian Clinical Labs request form.
2. Ask the patient to present at one of many conveniently located Australian Clinical Labs collection centres.
Visit: www.clinicallabs.com.au

When will results be available?

Clinicians will receive a full report of AMH with age specific reference ranges within 2-4 business days.

What does an AMH result mean?

Low levels:

- With advancing age for females, there is a decline in the follicular ovarian reserve and a decline in AMH levels.
- Can indicate a potentially poor medication response.

High Levels:

- AMH levels are known to be increased in women with PCOS.
- May indicate where there may be a strong response to medication.

Who can benefit from AMH testing?

1. Patients who may be considering future conception who would like to understand their current ovarian reserve and how this may change over time.
2. Patients considering IVF or other fertility treatment regimes. AMH levels can give an indication of the likely response to fertility medications.
3. Patients who may be considering egg freezing before chemotherapy, surgery or for social reasons.
4. Chemotherapy patients or those patients who have had endometrial/ovarian surgery who would like to assess how their ovarian reserve may have been affected.

Why choose Australian Clinical Labs for AMH testing?

- We use a fully automated Roche Cobas AMH assay that shows excellent analytical performance over previous methods.
- The increased sensitivity of the Roche Cobas AMH assay allows the determination of AMH concentration in samples that are undetectable when using old AMH assays.
- Age-specific AMH reference values have been validated in healthy women with regular menstrual cycles, and PCOS patients.

Specimen Requirement

One serum sample (gel tube/gold top) is required.

Cost

\$90 - AMH testing is not currently covered by Medicare.

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