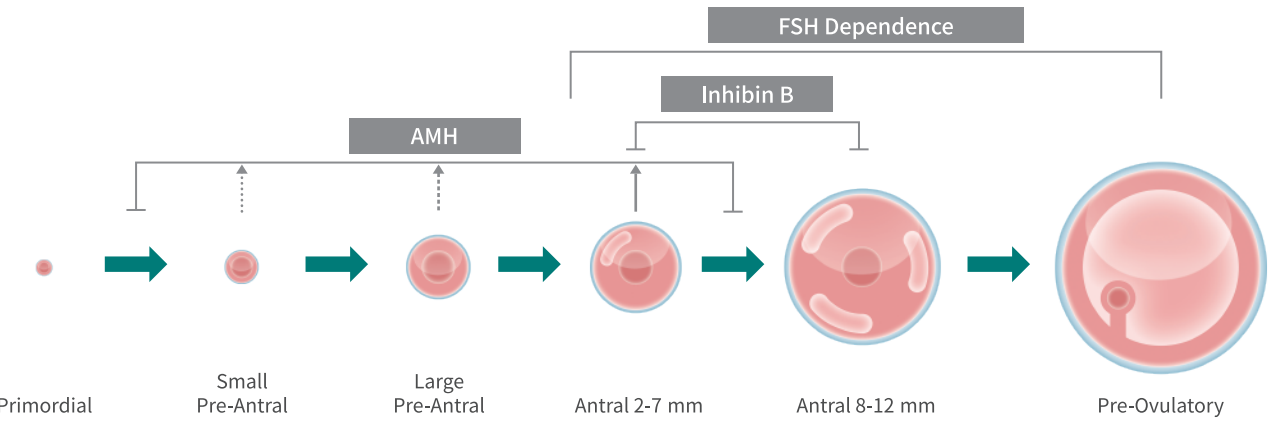


Anti-mullerian tubular hormones (AMH) were first named because they can cause the degeneration of the mullerian tube in male fetuses. AMH is produced by ovarian granulosa cells and is involved in the formation of primary cells in the uterus, fallopian tubes and upper vagina in women

Follicular Development



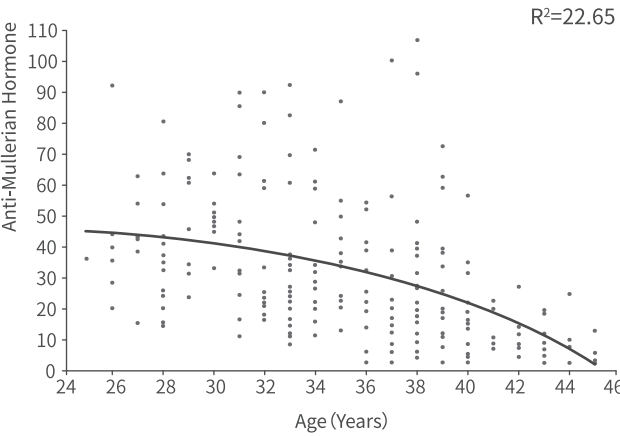
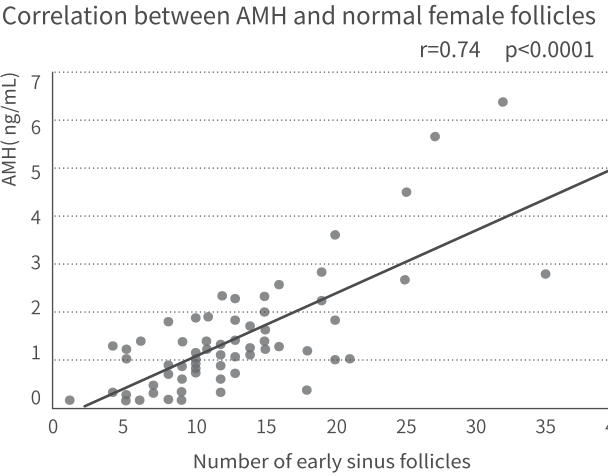
The Role of AMH

1 Evaluation of ovarian function

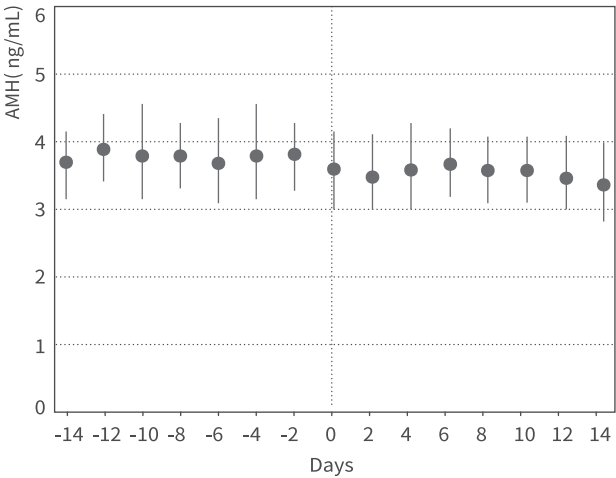
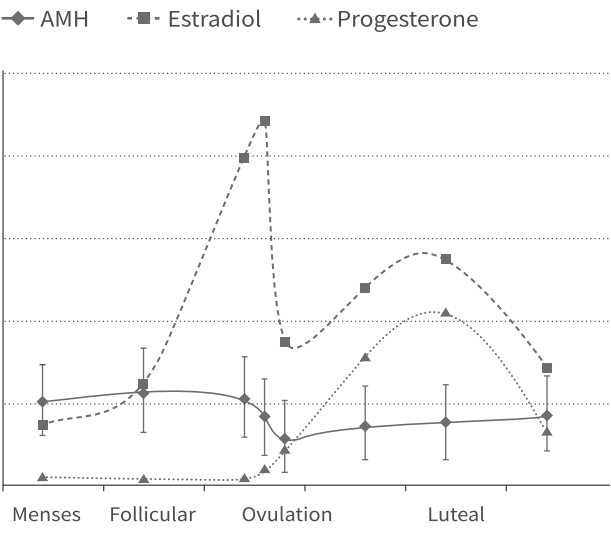
AMH is the earliest indicator of ovarian function that changes with age, and it can more accurately predict ovarian reserve function in women at an early stage

AMH was well correlated with the number of follicles in normal women

- AMH level decreased significantly with age
- Among the many indicators of ovarian reserve function, AMH is the earliest one that changes with age and can be used to sensitively evaluate age-related fertility decline



AMH is not affected by menstrual cycle and hormonal contraceptives, which is convenient for clinical use

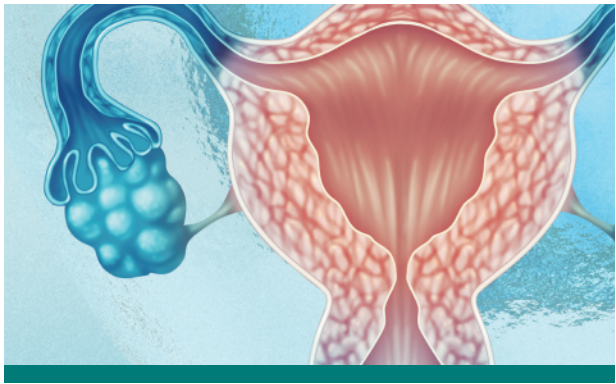


2 AMH is used for diagnosis of ovarian diseases

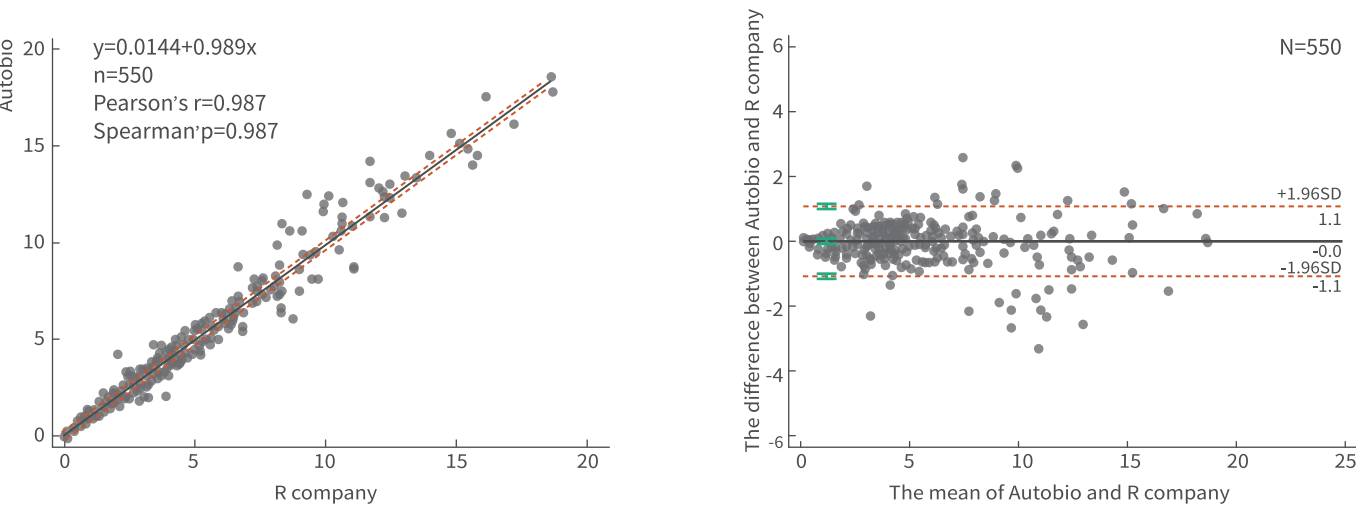
- Premature ovarian failure (POF)
- Polycystic ovary syndrome (PCOS)
- Ovarian granulosa cell tumor (GCT)

3 AMH is used for assisted reproductive technology (ART)

- Artificial insemination (AI)
- In vitro fertilization -- embryo transfer (IVF-ET)
- Intracytoplasmic injection of single sperm (ICSI)
- Preimplantation genetic diagnosis (PGD)



Correlation analysis of passing – bablok Autobio AMH and AMH from R company
Autobio AMH has a good correlation with the detection results of AMH from R company



Advantages

- **Automatic detection with continuing sample loading**

To avoid operator/laboratory variation caused by manual method

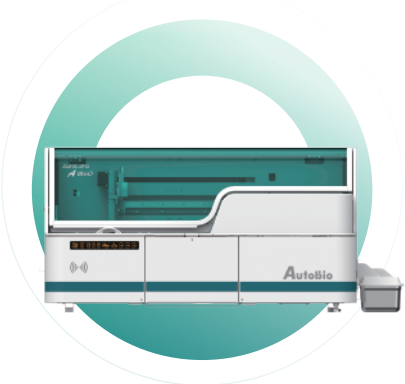
- **High precision and sensitivity**

Provide reliable, consistent, repeatable test results for accurate assessment of ovarian reserve

- **Wide detection range/low detection limit**

To predict low/high ovarian response with accurate detection of high/low limits

AutoLumo *A1860*



- **Stable sample and reagent**

Frozen and fresh samples are equivalent, No sample pre-dilution is required
Transported and stored samples remain stable
Reagent on-board stability and calibration will be valid upto 28 days

- **Rapid detection around 20 minutes**

Provide test results on the day of infertility consultation and start treatment as soon as possible to optimize laboratory resources

- **Age-specific reference range**

It is helpful for counselling different aged infertile patients according to AMH test results

AutoLumo *A2000 Plus*



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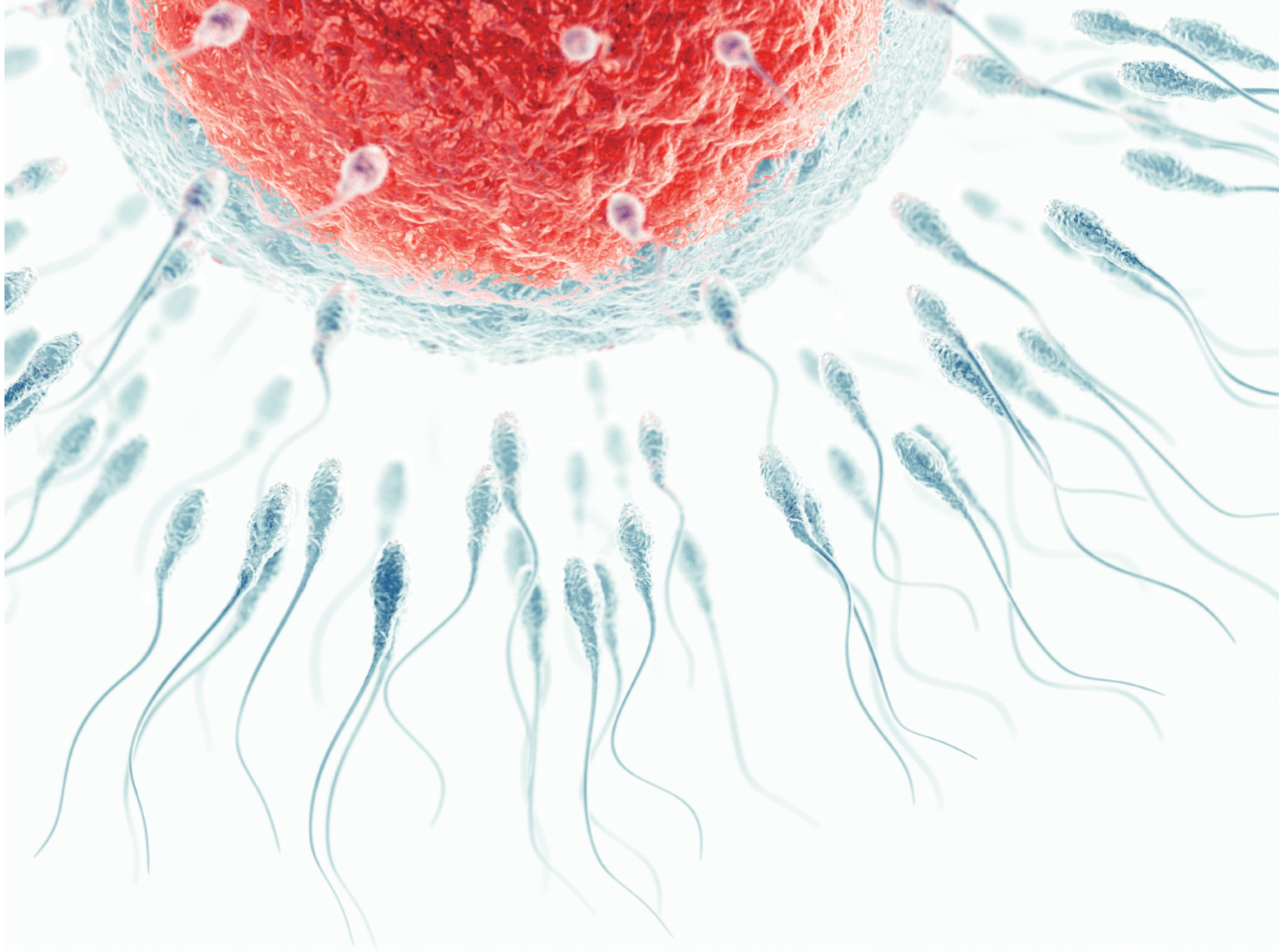
Email: info@autobio-diagnostics.com

WhatsApp: +8618595767835

Tel: +86 371 6200 7036



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