

**Table 2.** Comparative studies of ovarian reserve hormone indicators at premenopause

<b>Authors</b>	<b>Subjects</b>	<b>Age Group</b>	<b>Design</b>	<b>Results</b>
Danforth et al. <sup>62</sup> 1998	25	39-52	Follicular day-3 and days 6 and 8 after LH surge. Measurements of FSH, inhibin A and B estradiol (E <sub>2</sub> ) and progesterone (PG)	Day-3 inhibin-B more sensitive than FSH indicator of ovarian reserve. Luteal phase inhibin-A correlated inversely with age
Lahlou et al. <sup>45</sup> 1994	6	28-38	Measurement of FSH, E <sub>2</sub> and inhibin A and B during a control cycle and 4 days of the following cycle compared to a cycle treated with 0.1mg E <sub>2</sub> from day 10 of luteal phase to day 4 of the next cycle	The results showed that E <sub>2</sub> and not inhibin-A is responsible for FSH in the luteal phase and inhibin-B and not E <sub>2</sub> for the suppression of FSH in the follicular phase
Bancsi et al. <sup>58</sup> 2002	120	Women undergoing IVF	Measurement of day-3 FSH, inhibin-B E <sub>2</sub> and antral follicle count (AFC)	AFC the best single predictor. Addition of FSH and inhibin-B improves prediction
Fanchin et al. <sup>67</sup> 2003	75		Measurement on day-3 of FSH, LH, E <sub>2</sub> , inhibin-B AMH and AFC	Day-3 AMH levels more strongly correlated with AFC than FSH, E <sub>2</sub> , LH, inhibin-B
Hendriks et al. <sup>60</sup> 2005			Meta-analysis of 11 studies on AFC compared with a meta-analysis on basal FSH	Antral follicular count (AFC) performance significantly better than that of basal FSH
Vam Rooj et al. <sup>68</sup> 2005	81	Basal mean age 39,6 yrs After 4 yrs 43.6 yrs	Twice assessment with on average a 4-year interval of AMH, FSH, inhibin-B, E <sub>2</sub> and AFC	High correlation of AMH with AFC. Best-consistency of AMH over time with AFC the second best
Broekmans et al. <sup>75</sup> 2006			Literature review of predicting value of the ovarian reserve tests	Statistical analysis showed that the best tests are AFC, follicular phase AMH and stimulated inhibin-B
Elder-Geva et al. <sup>69</sup> 2012	56	<38 yrs	Measurement of E <sub>2</sub> , AMH and inhibin-B and evaluation of AFC before and after administration of 300 IU FSH	Best predictive value have AFC, basal AMH and stimulated activin-B