Supplemental Table SI Characteristics of included studies

Author year	Number of patients	Patient selection	Age range (years)	Assays compared	Storage	Sample taken	Notes
Nelson et al. (2015)	83	Assisted conception patients		Access Elecsys Gen II Assay Ansh Labs	−80°C	Days 2–5 of cycle	
Li et al. (2016)	265	Assisted conception patients		Access Elecsys Gen II Assay	Fresh −20°C (2 weeks) −80°C (2 weeks)	Not documented	Diagnostic performance for PCOS also compared.
Tadros et al. (2016)	211	Assisted conception patients	24–43	Access Elecsys Gen II Assay	Frozen thawed samples. No temperature given Frozen for 2–4 months	Days 1–5 of cycle	Inclusion Criteria: Both ovaries present with no morphological abnormalities BMI 18–25 kg/m^2 Optimum ovarian visualisation at transvaginal sonography
van Helden and Weiskirchen (2015)	146	Assisted conception patients PCOS Menopausal patients	19–53	Access Elecsys Gen II Assay	−30°C	Days 2–4 of cycle	Simultaneous AFC by transvaginal sonography
Pigny et al. (2016)	95	PCOS	18–35	Access Elecsys Gen II Assay AL-105i ELISAs EAI AMH/MIS	−80°C	Days 2–5 of cycle (spontaneous or induced with dydrogesterone 10 mg/day for 7 days)	Exclusion criteria: Age <18 or >35 Suspicion of low ovarian reserve hyperprolactinaemia nonclassic 21-hydroxylasedeficiency Ovarian/Adrenal tumours hypothalamic amenorrhoea follicle >9 mm/serum E$_2$ > 80 pg/ml Unexplained infertility Endometriosis