

Supplementary Data Sheet 2: Estrogen and Progesterone values across all reproductive stages of women

Stage	Estrogen (ng/ml)	Progesterone (ng/ml)	References
Tanner-Stage II	0.013	0.545	(Jenner et al., 1972; LabCorp)
Tanner-Stage III	0.025	0.83	(Jenner et al., 1972; LabCorp)
Tanner-Stage IV	0.044	1.24	(Jenner et al., 1972; LabCorp)
Tanner-Stage V	0.058	1.42	(Jenner et al., 1972; LabCorp)
Menstrual	0.05	0.1	(Fertility Testing - AACC.org; Häggström and Häggström, 2014)
Follicular	0.136	0.83	(Fertility Testing AACC.org; Häggström and Häggström, 2014)
1 st Trimester	2.18	25.6	(Schock et al., 2016)
2 nd Trimester	9.71	48.1	(Schock et al., 2016)
3 rd Trimester	20.4	130	(Schock et al., 2016)
Pre-Menopause	0.266	0.78	(How To Interpret Blood Results In The Lead-Up To Menopause HuffPost)
Peri-Menopause	0.1	0.4	(How To Interpret Blood Results In The Lead-Up To Menopause HuffPost)
Post-Menopause	0.01	0.09	(How To Interpret Blood Results In The Lead-Up To Menopause HuffPost)

REFERENCES

Fertility Testing - AACC.org Available at:

<https://www.aacc.org/publications/cln/articles/2012/november/fertility-testing> [Accessed May 31, 2019].

Häggström, M., and Häggström, M (2014). Reference ranges for estradiol, progesterone, luteinizing hormone and follicle-stimulating hormone during the menstrual cycle.

WikiJournal Med. 1, 1. doi:10.15347/wjm/2014.001.

How To Interpret Blood Results In The Lead-Up To Menopause | HuffPost Available at:

https://www.huffpost.com/entry/blood-results-menopause_b_8343018 [Accessed April 10, 2019].

Jenner, M. R., Kelch, R. P., Kaplan, S. L., and Grumbach, M. M. (1972). Hormonal Changes in Puberty: IV. Plasma Estradiol, LH, and FSH in Prepubertal Children, Pubertal Females, and in Precocious Puberty, Premature Thelarche, Hypogonadism, and in a Child with a Feminizing Ovarian Tumor. *J. Clin. Endocrinol. Metab.* 34, 521–530. doi:10.1210/jcem-34-3-521.

LabCorp Available at: <https://www.labcorp.com> [Accessed April 10, 2019].

Schock, H., Zeleniuch-Jacquotte, A., Lundin, E., Grankvist, K., Lakso, H.-Å., Idahl, A., et al. (2016). Hormone concentrations throughout uncomplicated pregnancies: a longitudinal study. *BMC Pregnancy Childbirth* 16. doi:10.1186/s12884-016-0937-5.