

Estrogen Profile (Dried Urine)

Comments:

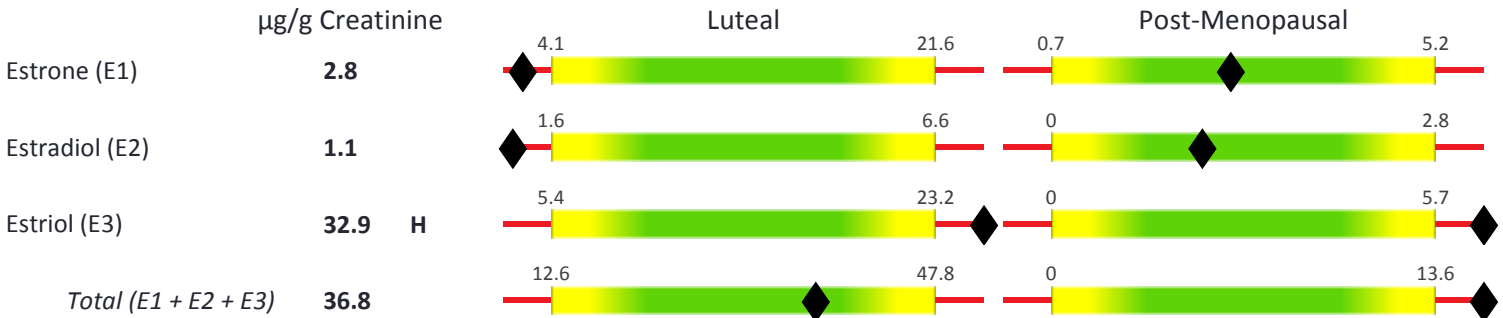


Estrogens

Reference Ranges

Postmenopausal women on hormones, or cycling women collecting during the luteal phase, refer to the luteal reference range.

Postmenopausal women not taking hormones, refer to the post-menopausal reference range



Phase I Metabolites



Phase II Metabolites



Other Reference Ranges

	Estrone	Estradiol	Estriol	Estrogen Total	Pregnanediol
Follicular	2.0-39	1.0-23	3.0-48	7.0-110	0-2500
Mid-Cycle	11.0-46	4.0-45	20-130	38-221	N/A



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Accession #:

Test Code: 4998

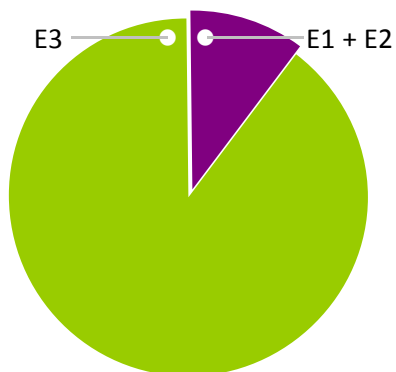
Patient Name:

Estrogen Ratios

Estrogen Ratios

Estrogen Quotient: 8.4
E3/(E1+E2)

Patient Result



Reference Range

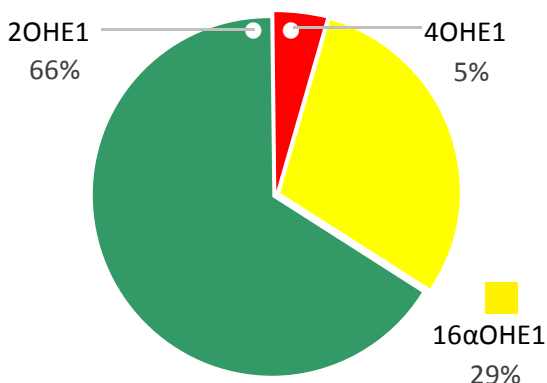
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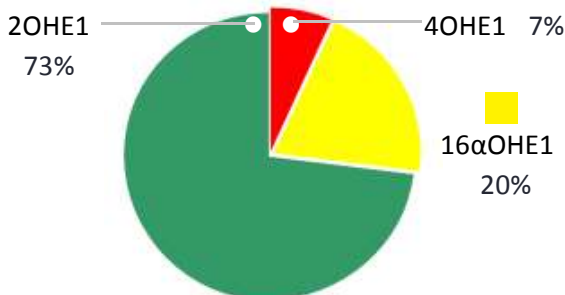
Patients with an EQ>1 have a higher survival rate after breast cancer, and may be at decreased risk for developing breast cancer. EQ often declines as women enter menopause.

Estrogen Hydroxylation

Patient Result



Reference Range



2-OHE1, a Phase I liver metabolite of estrone, is considered protective. 16α-OHE1 is a Phase I metabolite of estrone that has some duality: it is potentially carcinogenic and it is important for building bone. Therefore, very high levels and very low levels are both undesirable. High levels suggest a need for measures to improve estrogen detoxification. Low levels may increase risk of osteopenia.

4-OHE1 is a highly carcinogenic Phase I metabolite. Low levels are desirable.

Methylation Ratio: 0.17
2-Methoxyestrone/2OHE1

Patient Result



Reference Range

0.2 - 0.65



A comparison of 2-Methoxyestrone with 2OHE1 allows insight into methylation pathways. If the methylation ratio is on the low end of the reference range, consider adding supplements to improve methylation. If needed, consider further testing for methylation defects.

