

Estrogen Metabolism Index (FMV)

Patient: **SAMPLE PATIENT**

Age: 41
Sex: F
MRN:

Order Number:

Completed: March 28, 2007
Received: March 22, 2007
Collected: March 22, 2007

Urine Tests

		Reference Range
2-Hydroxyestrone (FMV urine)	1.44	1.5-32.9 mcg/L
16 α -Hydroxyestrone (FMV urine)	0.19	0.2-3.5 mcg/L
4-Hydroxyestrone (FMV urine)	4.68	\leq 3.8 mcg/L
2-Hydroxyestrone/16 α -Hydroxyestrone Ratio (FMV urine)	1.00	1.9-20.8 Ratio

Reference Range Information

Reference ranges for 2-Hydroxyestrogen and 16-alpha-Hydroxyestrogen were determined with luteal urine samples from women in their reproductive years. The reference range for the 2-OHE: 16-alpha-OHE1 ratio was derived from the literature. The reference range for creatinine was derived from a population of pre- and post-menopausal women.

Commentary is provided to the practitioner for educational purposes, and should not be interpreted as diagnostic or treatment recommendations. Diagnosis and treatment decisions are the responsibility of the practitioner.

Estrogen Metabolism

Estrogen metabolism is an important measure of hormonal balance. While literature refers to the involvement of hydroxyestrogens in a number of conditions, levels shown in this test are not diagnostic of any specific medical condition. High or low levels of the hydroxyestrogens, or an elevated or depressed ratio should be evaluated in relation to the patient's total history, physical, and clinical presentation.