

# BOSTON HEART HORMONE TESTING

Hormone testing enables the diagnosis of various hormone deficiency states as well as other endocrine disorders which may affect cardiovascular disease (CVD) risk.

## CLINICAL SIGNIFICANCE

Testing of hormone levels and the potential use of hormone replacement therapy should be based upon informed decisions.



Testosterone deficiency has been associated with an increased risk of diabetes, visceral adiposity, hypertension, hyperlipidemia and CVD.<sup>1</sup>

### MALE SEX HORMONE PANEL

Dehydroepiandrosterone Sulfate (DHEA-S)

Estradiol (E2)

Free Testosterone

Sex Hormone Binding Globulin (SHBG)

Total Testosterone



Menopausal hormone therapy (MHT) is associated with an increased risk of deep vein thrombosis, clotting and stroke.<sup>2</sup>

### FEMALE SEX HORMONE PANEL

Dehydroepiandrosterone Sulfate (DHEA-S)

Estradiol (E2)

Follicle Stimulating Hormone (FSH)

Luteinizing Hormone (LH)

Progesterone

Total Testosterone

## ORDERING INFORMATION

### Specimen requirements

1.0 mL serum (0.5 mL minimum) collected in a serum separator tube (SST / tiger top). Multiple hormone tests can be run on one tube of blood.

### To order

Please use the following test codes on the requisition form.

Test Name*	Code
DHEA-S	1134
Estradiol	1128
Female Sex Hormone Panel	300
Free Testosterone	1127
FSH	1122
LH	1120
Male Sex Hormone Panel	310
Progesterone	1124
PSA, Total	1123
SHBG	1130
Total Testosterone	1126

\*Testing is available as panels or by individual tests.

## REFERENCES

1. Bhasin S, Cunningham GR, Hayes FJ, Matsumoto AM, Swerdloff RS, Montori VM. Testosterone therapy in men with androgen deficiency syndromes: Endocrine Society clinical practice guidelines. *J Clin Endocrinol Metab.* 2010;95:2536-2559.
2. Santen RJ, Allred C, Ardon SP, Archer DF, Boyd N, Braunstein GD, Burger HG, Colditz GA, Davis SR, Gambacciani M, Gower BA, Henderson VW, Janjour WH, Karas RH, Kleerekoper M, Lobo RA, Manson JE, Marsden J, Martin KA, Martin C, Pinkerton JV, Rubinow DR, Teede G, Thiboutot DM, Utian WT. Executive Summary: Postmenopausal Hormone Therapy. An Endocrine Society Scientific Summary. *J Clin Endocrinol Metab.* 2010;95(Suppl 1):S1-S66.

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