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## Laboratory evaluation for postmenopausal osteoporosis

<b>Initial laboratory tests</b>
Complete chemistry profile (including alkaline phosphatase)
Complete blood count
Calcium, phosphorus
25-hydroxyvitamin D
<b>Additional laboratory tests if indicated</b>
24-hour urine for calcium and creatinine
24-hour urine for free cortisol
FSH, LH
Prolactin
Magnesium
1,25-dihydroxyvitamin D
Intact PTH
TSH
Celiac screen
Serum protein electrophoresis/urine protein electrophoresis
Erythrocyte sedimentation rate
Rheumatoid factor
Ferritin and carotene levels
Iron and total iron binding capacity
Serum tryptase and histamine levels
Homocysteine
Skin biopsy for connective tissue disorders
COL1A genetic testing for osteogenesis imperfecta
Serum and urine bone turnover markers

FSH: follicle-stimulating hormone; LH: luteinizing hormone; PTH: parathyroid hormone; TSH: thyroid-