

## Reproductive Endocrine Normal Levels

Progesterone estrus/anestrus less than 1 ng/ml  
Pregnancy/diestrus greater than 5 ng/ml  
Male less than 0.2 ng/ml

Estradiol anestrus/diestrus less than 20 pg/ml  
Pregnancy >100 days 50 - 400 pg/ml  
Stallions 20 - 60 pg/ml

Testosterone stallions  
Breeding season 1 - 4 ng/ml  
Nonbreeding season less than 1 ng/ml  
Geldings less than 0.2 ng/ml  
Mares less than 0.1 ng/ml

Estrone Sulfate pregnant >90 days greater than 20 ng/ml  
Nonpregnant less than 5 ng/ml  
Geldings less than 5 ng/ml  
Stallions/Cryptorchids greater than 20 ng/ml

T3	0.3 - 0.9 ng/ml
T4	1.5 - 4.5 ug/dl
Free T4	1.2 - 1.8 ng/dl
Insulin	10 - 30 uIU/ml
Cortisol	2.0 - 6.0 ug/dl
ACTH	8 - 35 pg/ml