

| نام تست       | %CV  | %Bias | %TEA  | T-test یا Sigma |
|---------------|------|-------|-------|-----------------|
| TSH           | 3.5  | 0.00  | 6.48  | >6.0            |
| WBC           | 3.24 | 0.70  | 7.18  | 4.5             |
| RBC           | 0.63 | 2.46  | 3.72  | >6.0            |
| Hb            | 0.63 | 0.92  | 2.18  | >6.0            |
| HCT           | 0.74 | 1.29  | 2.77  | >6.0            |
| MCV           | 0.63 | 0.174 | 1.61  | 3.1             |
| MCH           | 0.73 | 1.20  | 2.76  |                 |
| MCHC          | 0.73 | 0.4   | 1.86  |                 |
| PLT           | 3.1  | 2.6   | 7.40  | >6.0            |
| BUN           | 1.45 | 4.50  | 10.5  | 3.8             |
| Glucose       | 1.20 | 3.20  | 5.6   | 5.7             |
| Cr            | 1.76 | 5.0   | 8.52  | 5.7             |
| Uric Acid     | 1.83 | 0.793 | 4.45  | >6.0            |
| HDL           | 3.46 | 1.55  | 8.47  | 6.0             |
| LDL           | 2.93 | 1.5   | 7.36  | 4.0             |
| Ca            | 1.15 | 0.426 | 2.72  | >6.0            |
| Ph            | 1.45 | 0.741 | 3.64  | >6.0            |
| TIBC          | 2.48 | 1.27  | 6.23  | >6.0            |
| Fe            | 1.64 | 6.39  | 9.65  | >6.0            |
| U.A           | 1.61 | 0.793 | 4.01  | 3.0             |
| Chol          | 1.54 | 1.32  | 4.42  | >6.0            |
| TG            | 1.56 | 1.8   | 4.92  | >6.0            |
| SGOT          | 1.76 | 3.48  | 7.0   | >6.0            |
| SGPT          | 2.02 | 4.6   | 9.02  | >6.0            |
| ALP           | 2.39 | 5.70  | 10.48 | >6.0            |
| Bill T        | 3.75 | 11.39 | 18.89 | 4.1             |
| Bill D        | 2.30 | 4.72  | 9.32  | >6.0            |
| Alb           | 1.60 | 0.358 | 3.55  | 4.8             |
| T.Protein     | 0.87 | 3.34  | 5.08  | >6.0            |
| Urine protein | 1.67 | 7.21  | 10.55 | >6.0            |
| MicroAlbomin  | 2.46 | 1.38  | 6.3   | >6.0            |
| CPK           | 1.81 | 5.5   | 9.12  | >6.0            |
| CPK-MB        | 4.7  | 4.9   | 14.30 | 3.5             |
| LDH           | 1.88 | 0.96  | 4.68  | 5.6             |
| IgE           | 4    | 4.5   | 12.5  | 4.0             |
| GGT           | 1.43 | 4.20  | 7.06  | >6.0            |
| Amylase       | 1.97 | 2.18  | 6.12  | >6.0            |

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|---------------|-------|-------|-------|-----------------|
| lipase        | 2.70  | 21.88 | 27.28 | 5.9             |
| Mg            | 3.9   | 1.5   | 6.7   | 6.4             |
| AFP           | 5.0   | 10.5  | 20.5  | >6.0            |
| BHCG          | 3.8   | 2.36  | 10.6  | 6.3             |
| CRP           | 3.78  | 2.12  | 9.68  | >6.0            |
| Hs-CRP        | 1.27  |       |       |                 |
| RF            | 1.30  | 5.9   | 2.6   | 5.8             |
| ASO           | 4.08  |       |       |                 |
| Mn            | 0.04  |       |       | T=3.7           |
| Selenium      | 0.01  |       |       |                 |
| B2M           | 5.5   |       |       |                 |
| PSA           | 3.02  | 8.0   | 6.48  | >6.0            |
| Free PSA      | 3.39  | 2.82  | 9.6   | 3.6             |
| Inhibin A     | 10.0  | 1.2   | 21.2  | 3.0             |
| UE3           | ۶/۵   | 0.1   | ۱۳/۱  | ۴/۰             |
| PAPP-A        | 3.0   | 2.5   | 8.5   | 4.2             |
| F.beta        | 3.9   | 4.1   | 9.9   | 5.8             |
| Vit D         | 4.60  | 7.37  | 16.9  | 4.9             |
| Cortisol      | 5.65  | 2.59  | 13.89 | 3.6             |
| T4            | 4.0   | 5.2   | 13.2  | 3.7             |
| T3            | 3.30  | 12.0  | 18.6  | 5.5             |
| F.T3          | 3.69  | 4.0   | 11.38 | 3.0             |
| B12           | 9.34  | 0.078 | 18.7  | 3.1             |
| Testosterone  | 5.0   | 9.30  | 19.30 | 4.1             |
| CU (Urine)    | 0.025 |       |       | T=2.1           |
| CU(Blood)     | 1.61  |       |       |                 |
| Pb Blood      | 0.07  |       |       |                 |
| AL            | 0.02  |       |       |                 |
| Mn            | 0.04  |       |       |                 |
| Selenium      | 0.1   |       |       |                 |
| کبالت         | 4.1   |       |       |                 |
| AS(Urin)      | 0.11  |       |       |                 |
| Cd            | 1.5   |       |       | T=2.1           |
| Ornithine     | 0.56  |       |       |                 |
| Isoleucine    | 0.68  |       |       |                 |
| Lamotrigine   | 3.51  |       |       |                 |
| carbamazepine | 3.16  |       |       |                 |

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|--------------------|------|-------|-------|-----------------|
| Lysine             | 0.30 |       |       |                 |
| Leucine            | 0.36 |       |       |                 |
| Alanine            | 0.72 |       |       |                 |
| Taurine            | 1.62 |       |       |                 |
| Arginine           | 0.91 |       |       |                 |
| Citruline          | 1.70 |       |       |                 |
| Threonin           | 0.95 |       |       |                 |
| Glycine            | 0.50 |       |       |                 |
| Histidine          | 2.24 |       |       |                 |
| Glutamine          | 0.33 |       |       |                 |
| Serine             | 0.80 |       |       |                 |
| Tyrosine           | 1.71 |       |       |                 |
| Asparagine         | 1.70 |       |       |                 |
| Glutamate          | 0.80 |       |       |                 |
| Aspartate          | 1.77 |       |       |                 |
| Zinc               | 1.26 | 0.17  | 2.7   | >6.0            |
| C-peptide          | 3.2  | 0.167 | 6.56  | >6.0            |
| FSH                | 5.0  | 0.10  | 10.1  | 4.2             |
| LH                 | 3.5  | 2.2   | 9.2   | >6.0            |
| PRL                | 3.50 | 6.40  | 13.4  | >6              |
| CA 15-3            | 4.0  | 2.62  | 10.62 | 4.5             |
| CA 125             | 3.77 | 3.37  | 10.91 | >6              |
| CA 19-9            | 4.5  | 11.5  | 20.5  | >6.0            |
| Ferritin           | 4.0  | 6.60  | 14.60 | 4.8             |
| DHEA-SO4           | 2.0  | 3.1   | 7.1   | 5.4             |
| Insulin            | 1.92 | 3.10  | 6.94  | >6.0            |
| CEA                | 3.47 | 5.27  | 12.21 | 5.6             |
| GH                 | 4.1  | 0.014 | 4.9   | 4.9             |
| Pro BNP            | 9.9  |       |       | T Test= ok      |
| T3 UP              | 4.37 |       |       | T Test= ok      |
| homocysteine       | 7.56 |       |       | T Test= ok      |
| Anti.Thyroglobulin | 5.8  | 10.5  | 22.0  | 3.50            |
| E2                 | 2.71 | 12.5  | 17.92 | 4.6             |
| Prog               | 7.7  | 12    | 27.4  | 3.8             |
| ACTH               | 5.9  | 7.3   | 19.1  |                 |
| PCT                | 3.45 |       |       |                 |



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|---------------|------|-------|-------|-----------------|
| Folate        | 5.7  | 5.1   | 16.5  | 5.9             |
| iPTH          | 2.68 | 2.47  | 7.83  | 4.7             |
| PTH           | 4.9  | 18.0  | 27.8  | 3.2             |
| HbA1C         | 2.44 | 2.5   | 7.38  | 3.1             |
| PT            | 3.3  | 7.35  | 13.95 | -               |
| PTT           | 1.70 | 3.47  | 6.87  | >6.0            |
| Pr-C          | 2.5  | 3.3   | 8.3   | 6.0             |
| Pr-S          | 5.79 | 2.85  | 14.43 | 3.1             |
| LI            | 1.40 | 0.07  | 2.87  | >6.0            |
| Lupus         | 3.5  |       |       |                 |
| Na            | 0.32 | 0.177 | 0.817 | >6.0            |
| K             | 0.65 | 2.0   | 3.3   | 5.5             |
| Amylase       | 2.30 | 2.18  | 6.78  | 5.4             |
| Lipase        | 2.70 | 21.88 | 27.28 | 5.9             |
| Anti.TPO      | 7.5  | 1.2   | 16.2  | 6               |
| HE4           | 8.0  |       |       |                 |
| IGF-1         | 3.9  |       |       |                 |
| IGG1          | 4.6  |       |       |                 |
| IGG2          | 6.0  |       |       |                 |
| IGG3          | 2.5  |       |       |                 |
| Tacro         | 5.0  |       |       |                 |
| Cyclo         | 8.0  |       |       |                 |
| Hapto         | 3.6  |       |       |                 |
| H.pylori M    | 6.6  |       |       |                 |
| H.pylori A    | 12.0 |       |       |                 |
| Cardio M      | 10.0 |       |       |                 |
| Cardio G      | 9.50 |       |       |                 |
| Free T4       | 4.0  | 5.0   | 13.0  | 3.0             |
| Thyro         | 3.81 | 1.50  | 9.1   | 5.1             |
| Ethotoxomide  | 1.48 |       |       |                 |
| primidone     | 4.90 | 9.0   | 18.80 | >6.0            |
| phenobarbital | 2.11 | 1.49  | 5.71  | >6.0            |
| phenylalanine | 0.70 |       |       |                 |
| tryptopan     | 1.24 |       |       |                 |
| phenytoin     | 0.88 | 2.08  | 3.84  | T Test= ok      |
| Valine        | 0.70 |       |       |                 |

|                                                                 |                                |
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|-----------------------------------------------------------------|--------------------------------|



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|------------|------|-------|------|-----------------|
| Methionine | 1.42 |       |      |                 |
| Anti CCP   | 2.13 | 7.74  | 12   | 3.4             |