

| Test Name                        | Range Type               | Reference Range | Units     |
|----------------------------------|--------------------------|-----------------|-----------|
| Acetaminophen                    | Therapeutic              | 10.0-20.0       | ug/ml     |
| Albumin                          |                          | 3.5-5.0         | g/dl      |
| Alkaline Phosphatase             | <b>Male</b>              |                 |           |
| Alkaline Phosphatase             | 0-14 day                 | 83-248          | U/L       |
| Alkaline Phosphatase             | 15 day - <1 yr           | 122-469         | U/L       |
| Alkaline Phosphatase             | 1 - <10 yr               | 142-335         | U/L       |
| Alkaline Phosphatase             | 10 - <13 yr              | 129-417         | U/L       |
| Alkaline Phosphatase             | 13- <15 yr               | 116-468         | U/L       |
| Alkaline Phosphatase             | 15 - <17 yr              | 82-331          | U/L       |
| Alkaline Phosphatase             | 17- <19 yr               | 55-149          | U/L       |
| Alkaline Phosphatase             | >=19 yr                  | 40-129          | U/L       |
| Alkaline Phosphatase             | <b>Female</b>            |                 |           |
| Alkaline Phosphatase             | 0-14 day                 | 83-248          | U/L       |
| Alkaline Phosphatase             | 15 day - <1 yr           | 122-469         | U/L       |
| Alkaline Phosphatase             | 1 - <10 yr               | 142-335         | U/L       |
| Alkaline Phosphatase             | 10 - <13 yr              | 129-417         | U/L       |
| Alkaline Phosphatase             | 13- <15 yr               | 57-254          | U/L       |
| Alkaline Phosphatase             | 15 - <17 yr              | 50-117          | U/L       |
| Alkaline Phosphatase             | >=17 yr                  | 35-117          | U/L       |
| ALT/SGPT, Alanine Transaminase   | Females:                 | 6-37            | U/L       |
| ALT/SGPT, Alanine Transaminase   | Males                    | 6-45            | U/L       |
| Ammonia, NH3                     | Adults                   | 12-48           | umol/L    |
| Ammonia, NH3                     | Infant Child             | 24-48           | umol/L    |
| Ammonia, NH3                     | Newborn                  | 54-90           | umol/L    |
| Amylase                          |                          | 0-88            | U/L       |
| Amylase, Urine                   | Random, single sample    | 0-400           | U/L       |
| Amylase, Urine                   | Timed                    | 0-15            | U/Hr      |
| Anion Gap (formula without K+)   |                          | 7-16            | mmol/L    |
| Anti-cardiolipin IgA             |                          | <20             | APL units |
| Anti-cardiolipin IgG             |                          | <20             | GPL units |
| Anti-cardiolipin IgM             |                          | <20             | MPL units |
| Anti-Nuclear Antibody            | Normal                   | <1:40           | titer     |
| Anti-Nuclear Antibody            | Borderline               | 1:80 -1:160     | titer     |
| Anti-Nuclear Antibody            | Abnormal                 | >1:160          |           |
| Anti-Streptolysin O Test         | <13 yr                   | <150            | IU/ml     |
| Anti-Streptolysin O Test         | >13 yr                   | <200            | IU/ml     |
| APT Downey Test                  | Maternal                 | Negative        |           |
| AST/SGOT, Aspartate Transaminase | Newborn to 1 month       | 20-80           | U/L       |
| AST/SGOT, Aspartate Transaminase | 1 month to 13 years      | 8-60            | U/L       |
| AST/SGOT, Aspartate Transaminase | ≥13 years & Adult        | 0-37            | U/L       |
| Beta Hydroxybutyrate (Ketone)    |                          | 0.02-0.27       | mmol/L    |
| Bilirubin, Direct                |                          | 0.0-0.3         | mg/dl     |
| Bilirubin, Total                 | Adults and infants >1 mo | 0.0-1.2         | mg/dl     |
| Bilirubin, Total                 | Full term, up to 24 hrs  | 2-6             | mg/dl     |
| Bilirubin, Total                 | Full term, up to 48 hrs  | 6-10            | mg/dl     |
| Bilirubin, Total                 | Full term, 3-5 days old  | 4-8             | mg/dl     |
| Blood Urea Nitrogen              | 0-1 yr                   | 4-19            | mg/dl     |
| Blood Urea Nitrogen              | 1-17 yr                  | 5-18            | mg/dl     |
| Blood Urea Nitrogen              | 18-60 yr                 | 6-20            | mg/dl     |
| Blood Urea Nitrogen              | > 60 yr                  | 8-23            | mg/dl     |

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|--------------------------------------|--------------------------------|-----------------|------------|
| BNP/ Pro B-Natriuretic Peptide       | Male, <45 yr                   | <93             | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Male, 45-54                    | <138            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Male, 55-64                    | <177            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Male, 65-74                    | <229            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Male, >75                      | <852            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Female, <45 yr                 | <178            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Female, 45-54                  | <192            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Female, 55-64                  | <226            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Female, 65-74                  | <353            | pg/ml      |
| BNP/ Pro B-Natriuretic Peptide       | Female, >75                    | <624            | pg/ml      |
| Caffeine (Neonatal ICU Treatment)    | Therapeutic-neonates           | 5.0-20.0        | ug/ml      |
| Calcium                              |                                | 8.6-10.3        | mg/dl      |
| Calcium, Ionized                     |                                | 4.5-5.3         | mg/dl      |
| Calprotectin (fecal)                 | Normal                         | <80             | ug/g       |
| Calprotectin (fecal)                 | Borderline                     | 80-160          | ug/g       |
| Calprotectin (fecal)                 | Elevated                       | >160            | ug/g       |
| Cancer Antigen 125                   |                                | <35.0           | IU/ml      |
| Carboxyhemoglobin                    | Non Smoker                     | 0-2.5           | percent    |
| Carboxyhemoglobin                    | Smoker                         | 1.5-5.0         | percent    |
| Carboxyhemoglobin                    | Heavy Smoker                   | up to 10        | percent    |
| Carcinoembryonic Antigen             | (Roche) Non-smoker             | 0-3.0           | ng/ml      |
| Carcinoembryonic Antigen             | (Roche) Smoker                 | 0-5.0           | ng/ml      |
| Celiac - Deamidated GP IgA           |                                | < 15            | U/mL       |
| Celiac - Deamidated GP IgG           |                                | < 15            | U/mL       |
| Celiac - Tissue transglutaminase IgA |                                | < 15            | U/mL       |
| Celiac - Tissue transglutaminase IgG |                                | < 15            | U/mL       |
| Chloride                             |                                | 98-108          | mmol/L     |
| Chloride, Urine                      | Timed                          | 100-250         | mmol/24 hr |
| Chol/HDL Ratio                       | Male 1/2 avg risk              | 3.4             | ratio      |
| Chol/HDL Ratio                       | Male average risk              | 5.0             | ratio      |
| Chol/HDL Ratio                       | Male Twice avg risk            | 9.5             | ratio      |
| Chol/HDL Ratio                       | Male three times avg risk      | 24.0            | ratio      |
| Chol/HDL Ratio                       | Female 1/2 avg risk            | 3.3             | ratio      |
| Chol/HDL Ratio                       | Female average risk            | 4.4             | ratio      |
| Chol/HDL Ratio                       | Female Twice avg risk          | 7.1             | ratio      |
| Chol/HDL Ratio                       | Female three times avg risk    | 11.0            | ratio      |
| Cholesterol                          | Desirable                      | <200            | mg/dl      |
| Cholesterol                          | Borderline High                | 200-239         | mg/dl      |
| Cholesterol                          | Elevated                       | >240            | mg/dl      |
| CO2 (Bicarbonate)                    |                                | 23-32           | mmol/l     |
| Complement C3                        |                                | 86-184          | mg/dl      |
| Complement C4                        |                                | 10-40           | mg/dl      |
| Cortisol                             | AM                             | 7.0-25.0        | ug/dl      |
| Cortisol                             | PM                             | 2.0-9.0         | ug/dl      |
| C-Reactive Protein                   |                                | <6.0            | mg/L       |
| Creatinine                           | Newborn, 0-4 days,             | 0.3-1.0         | mg/dl      |
| Creatinine                           | Infant/Child, 5 days to 12 yrs | 0.2-0.7         | mg/dl      |
| Creatinine                           | Adolescent 12 to 17 yrs        | 0.5-1.0         | mg/dl      |
| Creatinine                           | Adult Female                   | 0.6-1.1         | mg/dl      |
| Creatinine                           | Adult Male                     | 0.7-1.3         | mg/dl      |
| Creatinine Clearance                 |                                | 90-130          | ml/min     |

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|--------------------------------|-----------------------------|------------------|----------|
| Creatinine Kinase              | Male                        | <206             | U/L      |
| Creatinine Kinase              | Female                      | <172             | U/L      |
| Creatinine, Urine 24 hr        | Male                        | 1000-1900        | mg/24 hr |
| Creatinine, Urine 24 hr        | Female                      | 800-1700         | mg/24 hr |
| CRP-High Sensitivity           | Low Risk                    | < 1.0            | mg/L     |
| CRP-High Sensitivity           | Average Risk                | 1.0-3.0          | mg/L     |
| CRP-High Sensitivity           | Higher Risk                 | >3.0             | mg/L     |
| CRP-High Sensitivity           | Evaluate for Infection      | >10.0            | mg/L     |
| D-Dimer                        |                             | <0.50            | ug/ml    |
| Depakene/Valproic Acid         | Therapeutic                 | 50.0-100.0       | ug/ml    |
| Dilantin/Phenytoin             |                             | 10.0-20.0        | ug/ml    |
| Dilantin (Free)                |                             | 1.0-2.0          | ug/ml    |
| Digoxin                        | Therapeutic                 | 0.50-2.00        | ng/ml    |
| Estradiol                      | Men                         | 14-60            | pg/ml    |
| Estradiol                      | Women: Follicular Phase     | 25-195           | pg/ml    |
| Estradiol                      | Mid Cycle Peak              | 66-411           | pg/ml    |
| Estradiol                      | Luteal Phase                | 40-261           | pg/ml    |
| Estradiol                      | Post Menopause              | <10-40           | pg/ml    |
| Estradiol                      | Pregnant, 1st trimester     | 786-4584         | pg/ml    |
| Estradiol                      | Pregnant, 2nd trimester     | 801-5763         | pg/ml    |
| Estradiol                      | Pregnant, 3rd trimester     | 1810-13890       | pg/ml    |
| Estradiol                      | Children 1-10 yrs : Boys    | <5 - 20          | pg/ml    |
| Estradiol                      | Girls:                      | 6-27             | pg/ml    |
| Ethanol                        |                             | Negative (<0.01) | g/dl     |
| Ferritin                       | Male                        | 30-400           | ng/ml    |
| Ferritin                       | Female                      | 15-150           | ng/ml    |
| Folate (Folic Acid), Serum     |                             | ≥ 4.0            | ng/ml    |
| Folate, Red Blood Cell         |                             | 280-791          | ng/ml    |
| Follicle Stimulating Hormone   | Men                         | 1.5-12.4         | mIU/ml   |
| Follicle Stimulating Hormone   | Women: Follicular Phase     | 3.5-12.5         | mIU/ml   |
| Follicle Stimulating Hormone   | Mid Cycle Peak              | 4.7-21.5         | mIU/ml   |
| Follicle Stimulating Hormone   | Luteal Phase                | 1.7-7.7          | mIU/ml   |
| Follicle Stimulating Hormone   | Post Menopause              | 25.8-134.8       | mIU/ml   |
| Follicle Stimulating Hormone   | Children <10 yr             | 0.2-3.8          | mIU/ml   |
| Free T3                        |                             | 2.00-4.40        | pg/ml    |
| Free Thyroxine                 |                             | 0.8-1.7          | ng/ml    |
| GGT Gamma Glutamyl Transp.     | Male                        | 8-61             | U/L      |
| GGT Gamma Glutamyl Transp.     | Female                      | 5-36             | U/L      |
| Globulin                       |                             | 1.7-3.7          | mg/dl    |
| Glucose Tolerance              | Contact Lab for details     |                  |          |
| Glucose, Fasting               | Adult normal                | 70-99            | mg/dl    |
| Glucose, Fasting               | Adult, impaired             | 100-125          | mg/dl    |
| Glucose, Fasting               | Adult, Abnormal             | >125             | mg/dl    |
| Glucose, Fasting               | newborn to 6 months         | 40-115           | mg/dl    |
| Glucose, Urine                 | Timed                       | <500             | mg/24 hr |
| Glucose, Urine                 | Random, single sample       | 1-15             | mg/dl    |
| Haptoglobin                    |                             | 30-200           | mg/dl    |
| HCG, Human Chorionic Gonadotr. | Males                       | <5               | mIU/ml   |
| HCG, Human Chorionic Gonadotr. | Females:                    |                  | mIU/ml   |
| HCG, Human Chorionic Gonadotr. | Non Pregnant, Pre Menopause | <5               | mIU/ml   |
| HCG, Human Chorionic Gonadotr. | Post Menopause              | <8               | mIU/ml   |

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|---------------------------------|-------------------------------|-----------------|---------|
| HCG, Human Chorionic Gonadotr.  | Pregnant:                     |                 | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | Full weeks beginning with LMP |                 | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 3                             | 18              | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 4                             | 141             | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 5                             | 1398            | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 6                             | 3339            | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 7                             | 39759           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 8                             | 90084           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 10                            | 85172           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 12                            | 66676           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 14                            | 34440           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 16                            | 23930           | mIU/ml  |
| HCG, Human Chorionic Gonadotr.  | 18                            | 19817           | mIU/ml  |
| HDL Cholesterol                 | Suggests Increased Risk       | < 40            | mg/dl   |
| HDL Cholesterol                 | Acceptable                    | 40-59           | mg/dl   |
| HDL Cholesterol                 | Suggests Decreased Risk       | ≥60             | mg/dl   |
| Hemoglobin A1C, glyco hb        |                               | 4.4-5.6         | percent |
| Hemoglobin Electrophoresis      | Hgb A1 (adult)                | 96.0-98.5       | percent |
| Hemoglobin Electrophoresis      | Hgb A2 (adult)                | 1.4-5.0         | percent |
| IGA, Immunoglobulin A           | Adult                         | 69-309          | mg/dl   |
| IGA, Immunoglobulin A           | Newborns                      | 1-4             | mg/dl   |
| IGA, Immunoglobulin A           | 1-6 months                    | 1-83            | mg/dl   |
| IGA, Immunoglobulin A           | 7-12 months                   | 11-89           | mg/dl   |
| IGA, Immunoglobulin A           | 1-3 years                     | 13-157          | mg/dl   |
| IGA, Immunoglobulin A           | 4-5 years                     | 24-152          | mg/dl   |
| IGA, Immunoglobulin A           | 6-8 years                     | 32-200          | mg/dl   |
| IGA, Immunoglobulin A           | 9-10 years                    | 43-234          | mg/dl   |
| IGG, Immunoglobulin G           | Adult                         | 613-1400        | mg/dl   |
| IGG, Immunoglobulin G           | Newborns                      | 611-1541        | mg/dl   |
| IGG, Immunoglobulin G           | 1-6 months                    | 165-781         | mg/dl   |
| IGG, Immunoglobulin G           | 7-12 months                   | 208-1026        | mg/dl   |
| IGG, Immunoglobulin G           | 1-3 years                     | 331-1090        | mg/dl   |
| IGG, Immunoglobulin G           | 4-5 years                     | 444-1187        | mg/dl   |
| IGG, Immunoglobulin G           | 6-8 years                     | 608-1229        | mg/dl   |
| IGG, Immunoglobulin G           | 9-10 years                    | 583-1509        | mg/dl   |
| IGM, Immunoglobulin M           | Adult                         | 53-334          | mg/dl   |
| IGM, Immunoglobulin M           | Newborns                      | 6-25            | mg/dl   |
| IGM, Immunoglobulin M           | 1-6 months                    | 19-103          | mg/dl   |
| IGM, Immunoglobulin M           | 7-12 months                   | 32-132          | mg/dl   |
| IGM, Immunoglobulin M           | 1-3 years                     | 41-190          | mg/dl   |
| IGM, Immunoglobulin M           | 4-5 years                     | 41-186          | mg/dl   |
| IGM, Immunoglobulin M           | 6-8 years                     | 46-197          | mg/dl   |
| IGM, Immunoglobulin M           | 9-10 years                    | 49-230          | mg/dl   |
| Immuno Fixation Electrophoresis | Contact Lab for details       |                 |         |
| Insulin                         |                               | 0-22.7          | uU/ml   |
| Iron                            | Male                          | 80-160          | ug/dl   |
| Iron                            | Female                        | 60-135          | ug/dl   |
| Lactate (Lactate)               |                               | 0.7-2.5         | mmol/L  |
| LDH, Lactate Dehydrogenase      | Adult                         | 94-250          | U/L     |
| LDH, Lactate Dehydrogenase      | Infant, 0-4 day               | 290-775         | U/L     |
| LDH, Lactate Dehydrogenase      | 4-10 day                      | 545-2000        | U/L     |

| Test Name                        | Range Type                   | Reference Range | Units      |
|----------------------------------|------------------------------|-----------------|------------|
| LDH, Lactate Dehydrogenase       | 10 day - 24 month            | 180-430         | U/L        |
| LDL Cholesterol, Measured        | Optimal Level                | <100            | mg/dl      |
| LDL Cholesterol, Measured        | Near Optimal                 | 100-129         | mg/dl      |
| LDL Cholesterol, Measured        | Borderline High              | 130-159         | mg/dl      |
| LDL Cholesterol, Measured        | High                         | 160-189         | mg/dl      |
| LDL Cholesterol, Measured        | Very High                    | >190            | mg/dl      |
| Lipase                           |                              | 16-63           | U/L        |
| Lithium                          | Therapeutic                  | 0.6-1.2         | mmol/L     |
| Luteinizing Hormone              | Men                          | 1.7-8.6         | mIU/ml     |
| Luteinizing Hormone              | Women: Follicular Phase      | 2.4-12.6        | mIU/ml     |
| Luteinizing Hormone              | Mid Cycle Peak               | 14.0-95.6       | mIU/ml     |
| Luteinizing Hormone              | Luteal Phase                 | 1.0-11.4        | mIU/ml     |
| Luteinizing Hormone              | Post Menopause               | 7.7-58.5        | mIU/ml     |
| Luteinizing Hormone              | Children <10 yr              | 0.2-1.4         | mIU/ml     |
| Magnesium                        |                              | 1.7-2.8         | mg/dl      |
| Magnesium, Urine                 | Timed                        | 1-24            | mg/24 hr   |
| Methemoglobin                    |                              | 0-2.0           | percent    |
| Methotrexate                     | Contact Lab for Details      |                 |            |
| (micro) Albumin/Creatinine Ratio | Normal                       | <30             | mg/g       |
| (micro) Albumin/Creatinine Ratio | Moderately Elevated          | 30-300          | mg/g       |
| (micro) Albumin/Creatinine Ratio | Severely Elevated            | >300            | mg/g       |
| Myoglobin                        |                              | 0-90            | ug/L       |
| O2 Saturation, Arterial          |                              | 96-97           | percent    |
| O2 Saturation, Venous            |                              | 40-70           | percent    |
| Osmolality, Serum                |                              | 275-295         | mOSM/kg    |
| Osmolality, Urine                |                              | 300-1100        | mOSM/kg    |
| Parathyroid Hormone, Intact      |                              | 15.0-65.0       | pg/ml      |
| pCO2, Arterial                   |                              | 35-45           | mmHG       |
| pH, Arterial Blood               |                              | 7.35-7.45       | ph Units   |
| ph, Venous                       |                              | 7.32-7.42       |            |
| Phenobarbital                    | Therapeutic                  | 15.0-40.0       | ug/ml      |
| Phosphatidyl Glycerol            | Contact Lab for Details      |                 |            |
| Phosphorus                       |                              | 2.7-4.5         | mg/dl      |
| Phosphorus, Urine                | Timed                        | 900-1300        | mg/24 hr   |
| pO2, Arterial                    |                              | 80-90           | mmHG       |
| pO2, Mixed Venous                |                              | 25-40           | mmHG       |
| Potassium                        |                              | 3.5-5.3         | mmol/L     |
| Potassium, Urine                 | Timed                        | 0-80            | mmol/24 hr |
| Prealbumin                       |                              | 18-45           | mg/dl      |
| Pregnancy Test                   | Negative                     | HCG = <5        |            |
| Pregnancy Test                   | Borderline-repeat in 48 hrs  | HCG = 5-25      |            |
| Pregnancy Test                   | Borderline, repeat in 1 week | HCG = 5-10      |            |
| Pregnancy Test                   | Positive                     | >25             |            |
| Procalcitonin                    |                              | <0.50           | ng/ml      |
| Progesterone                     | Men                          | 0.0-0.1         | mIU/ml     |
| Progesterone                     | Women: Follicular Phase      | 0.1-0.9         | mIU/ml     |
| Progesterone                     | Ovulation Phase              | 0.1-12.0        |            |
| Progesterone                     | Luteal Phase                 | 1.8-23.9        | mIU/ml     |
| Progesterone                     | Post Menopause               | 0.0-0.1         | mIU/ml     |
| Progesterone                     | Pregnant, 1st trimester      | 11-44           | mIU/ml     |
| Progesterone                     | Pregnant, 2nd trimester      | 25-83           | mIU/ml     |

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|------------------------------------|----------------------------|-----------------|------------|
| Progesterone                       | Pregnant, 3rd trimester    | 59-214          | mIU/ml     |
| Prolactin                          | Men                        | 4.0-15.2        | ng/ml      |
| Prolactin                          | Women                      | 4.8-23.3        | ng/ml      |
| Prostate Specific Antigen, PSA     | <40 yr                     | 0-1.40          | ng/ml      |
| Prostate Specific Antigen, PSA     | 40-50 yr                   | 0.00-2.00       | ng/ml      |
| Prostate Specific Antigen, PSA     | 50-60 yr                   | 0.00-3.10       | ng/ml      |
| Prostate Specific Antigen, PSA     | 60-70 yr                   | 0.00-4.10       | ng/ml      |
| Prostate Specific Antigen, PSA     | >70 yr                     | 0.00-4.40       | ng/ml      |
| Protein Electrophoresis            | Contact Lab for details    |                 |            |
| Protein, Urine                     | Timed                      | <150            | mg/24 hr   |
| Rheumatoid Factor                  |                            | <14             | IU/ml      |
| Salicylate                         | Therapeutic                | 5.0-29.9        | mg/dl      |
| Sodium                             |                            | 135-145         | mmol/L     |
| Sodium, Urine                      | Timed                      | 75-200          | mmol/24 hr |
| Spinal Fluid/CSF Chloride          |                            | 118-132         | mmol/L     |
| Spinal Fluid/CSF Glucose           |                            | 50-75           | mg/dl      |
| Spinal Fluid/CSF Protein           |                            | 15-45           | mg/dl      |
| Sweat Chloride                     | Normal                     | 0-29            | mmol/L     |
| Sweat Chloride                     | Borderline                 | 30-59           | mmol/L     |
| Sweat Chloride                     | Abnormal                   | ≥60             | mmol/L     |
| Tegretol/Carbamazepine             | Therapeutic                | 4.0-12.0        | ug/ml      |
| Testosterone                       | Men, 18-49 yrs             | 249 - 836       | ng/dl      |
| Testosterone                       | Men, >49 yrs               | 193 - 740       | ng/dl      |
| Testosterone                       | Women, 18-49 yrs           | 8.4 - 48.1      | ng/dl      |
| Testosterone                       | Women, >49 years           | 2.9 - 40.8      | ng/dl      |
| Testosterone                       | Children: See tanner stage |                 |            |
| Testosterone                       | table which accompanies    |                 |            |
| Testosterone                       | test report                |                 |            |
| Theophylline                       | Therapeutic                | 10.0-20.0       | ug/ml      |
| Thyroid Stimulating Hormone        | Children, 0-1 yr           | 1.36-8.80       | mIU/ml     |
| Thyroid Stimulating Hormone        | Children, 1-6 yr           | 0.85-6.50       | mIU/ml     |
| Thyroid Stimulating Hormone        | Children >6 yr and Adult   | 0.27-4.20       | mIU/ml     |
| Total Iron Binding Capacity (TIBC) |                            | 254-457         | ug/dl      |
| Total Protein                      | Newborn                    | 4.6-7.0         | g/dl       |
| Total Protein                      | 1 week                     | 4.4-7.6         | g/dl       |
| Total Protein                      | 7 months - 1 year          | 5.1-7.3         | g/dl       |
| Total Protein                      | 1-2 years                  | 5.6-7.5         | g/dl       |
| Total Protein                      | 3 years and older          | 6.0-8.0         | g/dl       |
| Transferrin                        |                            | 200-360         | mg/dl      |
| Transferrin (Iron) Saturation      | Male                       | 20-55           | percent    |
| Transferrin (Iron) Saturation      | Female                     | 15-50           | percent    |
| Triglyceride                       |                            | <150            | mg/dl      |
| Troponin-T (High Sensitivity)      | Male                       | <22             | ng/L       |
| Troponin-T (High Sensitivity)      | Female                     | <14             | ng/L       |
| Urea Nitrogen, Urine               | Timed                      | 10-20           | g/24 hrs   |
| Uric Acid                          |                            | 2.5-8.0         | mg/dl      |
| Urine Drug Screen Tests:           |                            |                 |            |
| Amphetamine/Methamphetamine        |                            | NEGATIVE        |            |
| Barbiturate                        |                            | NEGATIVE        |            |
| Benzodiazepine                     |                            | NEGATIVE        |            |
| Buprenorphine                      |                            | NEGATIVE        |            |

| Test Name   | Range Type | Reference Range | Units    |
|---|------------|-----------------|----------|
| Cannabinoid   |            | NEGATIVE        |          |
| Cocaine   |            | NEGATIVE        |          |
| Ethanol   |            | NEGATIVE        |          |
| Fentanyl  |            | NEGATIVE        |          |
| MDMA (Ecstasy)  |            | NEGATIVE        |          |
| Opiate  |            | NEGATIVE        |          |
| Oxycodone   |            | NEGATIVE        |          |
| PCP   |            | NEGATIVE        |          |
| Uric Acid   |            | 2.5-8.0         | mg/dl    |
| Uric Acid, Urine  | Timed      | 250-750         | mg/24 hr |
| Viscosity, Serum  |            | 1.4-1.8         | ratio    |
| Vitamin B12   |            | 232-1245        | pg/ml    |
| Vitamin D   |            | 30-100          | ng/ml    |
| h:\home\lab\chem\lab issued documents\bmh chem reference ranges |            |                 |          |