|  |  |  |
| --- | --- | --- |
| Test | Einheit | Norm / Optimum |
| AAK Acetylcholinrezeptor\* | nmol/l | < 0.4 |
| AAK quergestr. (Skelett-)Muskulatur |  | 1: <10 |
| AAK gg GAD (GAD65)\* | kU/l | negativ < 0.7 |
| AAK gg IA2 Inselzellprotein\* | kU/l |  |
| Insulin-Antikörper/IAA (RIA)\* | % Bindung |  |
| AAK gg Inselzellen/ICA\* |  | 1: <10 |
| Albumin | % | 55.8-66.1 |
| alpha-1-Globulin | % | 2.9-4.9 |
| alpha-2-Globulin | % | 7.1-11.8 |
| Alpha-Amylase | U/l | 20-104 |
| Alkalische Phosphatase | U/l | 55-105 |
| Antinukleäre Antikörper (ANF) |  | < 1.5 |
| ASL-Antistreptolysin (Turb.) | IU/ml | < 200.0 |
| Antistaphylolysin (AStL)\* | IU/ml | < 2 |
| ATP intrazellulär | µM | > 2.0 / 4-10 |
| beta-Globulin | % | 8.4-13.1 |
| Bilirubin gesamt | mg/dl | 0.30-1.20 |
| Blei im Blut\* | µg/l | < 90 |
| Blutsenkung | mm/1h | 4 - 14.0 |
| BNP | pg/ml | 0,00-100,00 |
| Calcium | mmol/l | 2.10-2.65 |
| Cholinesterase | kU/l | 4.9-12.9 |
| Cholesterin | mg/dl | <200 / <180 |
| Creatinin | mg/dl | 0.70-1.40 |
| Creatinin im Urin | mg/dl | 22 - 392 |
| Cystatin C | mg/l | 0,5-1 |
| GFR berechnet nach CKD-EPI Formel | ml/min/KO | >89 |
| GFR (aus Cystatin C Wert berechnet) | ml/min | 75-189 |
| CK = Creatinkinase | U/l | 38-190 |
| CKMB | ng/ml | 0,00-4,30 |
| CKMB | U/l | <25 |
| CKMB-Anteil an Gesamt CK | % | 6.00-25.00 |
| Chlorid | mmol/l | 97-108 |
| C-Reaktives Protein | mg/dl / mg/l | <0.60 / <5 |
| D-Dimere | ng/ml | <400,00 / <100 |
| Direktes Bilirubin | mg/dl | <0.25 |
| d-ROM (freie Radikale) | U Carr. | 0,00-250,00 |
| Eisen | µg/dl | 40-175 |
| Fibrinogen | mg/dl | 150-450 |
| Folsäure (CLIA) | nmol/l | >12.19 |
| gamma-Globulin | % | 11.1-18.8 |
| Gesamteiweiß | g/dl | 6.6-8.3 |
| y-GT = Gamma-GT | U/l | <55 |
| Glutamat-Dehydrogenase = GLDH | U/l | <6.4 / <1 |
| Glucose | mg/dl | 70-110 / < 95 |
| Glucose basal (Hämolysat/NaF) | mg/dl | 60.0 - 110.0 |
| Glucose pp1/30 min. (Hämolysat/NaF) | mg/dl | 60.0 - 160.0 |
| Glucose pp2/60 min. (Hämolysat/NaF) | mg/dl | 60.0 - 120.0 |
| Glucose pp3/90 min. (Hämolysat/NaF) | mg/dl | 60.0 - 100.0 |
| Glucose pp4/120min (Hämolysat/NaF) | mg/dl | 60.0 - 110.0 |
| Glucose pp5/150min (Hämolysat/NaF) | mg/dl | 60.0 - 110.0 |
| Glucose pp6/180min (Hämolysat/NaF) | mg/dl | 60.0 - 110.0 |
| GOT = AST | U/l | <50 |
| GPT = ALT | U/l | <50 |
| Hämoglobin A1c | % | 3.3-5.9 / < 5 |
| Hämoglobin A1c | mmol/mol Hb | 13.0-42.0 |
| Alpha-HBDH | U/l | 55-170 |
| Hämoglobin | g/dl | 14.0-18.0 |
| HDL-Cholesterin | mg/dl | >40.0 |
| Hämatokrit | % | 40 - 54 / 40 |
| Helicobacter pylori Atemtest C13 | Index | <2 |
| Homocystein (Nephelometrie) | µmol/l | < 9.0 / < 6 |
| Harnsäure | mg/dl | 3.5-7.2 |
| Harnstoff | mg/dl | 13.0-44.0 |
| Harnstoff-N | mg/dl | 6...20 |
| Holo-Transcobalamin (Holo Tc) | pmol/l | >100 |
| Immunglobulin A = IgA | mg/dl | 70-500 |
| Immunglobulin E = IgE | kU/l | <100 / <20 |
| Immunglobulin G = IgG | mg/dl | 650-1600 |
| Immunglobulin M = IgM | mg/dl | 50-300 |
| Löslicher IL2-Rezeptor i.S. | U/ml | < 710 |
| INR-Wert | kA | 1.3 - 0.9 |
| Kalium | mmol/l | 3.6-5.2 |
| LDH im Serum | U/l | 100-247 |
| LDL-Cholesterin | mg/dl | <150 |
| Quotient LDL / HDL | kA | <3 |
| Lipase | U/l | <53 |
| Lipoprotein(a) (Nephelometrie) | g/l | < 0.3 |
| Magnesium | mmol/l | 0.65-1.03 |
| Methylmalonsäure im Urin\* | mg/g Krea | < 4 / <1 |
| Micral = Microalbuminurin |  | 10 |
| MTHFR-Gen C677T Mutation (Homocystein) |  | neg |
| MTHFR-Gen A1298C Mutation (Homocystein) |  | neg |
| Myoglobin | ng/ml | <107,00 |
| Natrium | mmol/l | 135-150 |
| NSE (Neuron-spezifische Enolase) (TRACE) | µg/l | <6 |
| Phosphat, anorganisch im Serum | mmol/l | 0.80-1.60 |
| Partielle Thromboplastinzeit im Plasma | Sekunden | 24.0-39.0 |
| Thromboplastinzeit (Quickwert) i.P. | % | 65 - 130 |
| Transferrin | mg/dl | 204-360 |
| Triglyceride | mg/dl | <250 / <150 |
| Troponin-I | ng/ml | <0,40 |
| Tumor Nekrose Faktor alpha = TNF-alpha | ng/l | < 8.1 |
| Quecksilber im Blut | ug/l | < 2,0 ug/l |
| TSH basal im Serum | mIU/l | 0.350-2.50 / 1.0 |
| Thrombinzeit im Plasma | Sekunden | 11.0-17.8 |
| Vitamin B12 (CLIA) | pmol/l | > 1000 |
| Vitamin B6 | µg/l |  |
| 25-Hydroxy-Vitamin D | ng/ml = µg/l | 40 – 100 / 50 |
| 25-Hydroxy-Vitamin D | nmol/l | 100 – 250 / 150 |
| Bilirubin-Urin |  | 0 |
| Blut-Urin |  | 0 |
| Eiweiß-Urin | mg/dl | 0 |
| Glucose-Urin | mg/dl | 0 |
| Keton-Urin |  | 0 |
| Leuko-Urin |  | 0-1 |
| Nitrit-Urin |  | 0 |
| pH-Urin |  | 5 … 8 |
| spezif.Gewicht |  | 1005-1020 |
| Urobilinogen-Urin |  | 0 |
| **Blutzellen (Blutkörperchen)** |  |  |
| Leukozyten | /µl | 4000 - 10000 |
| Granulozyten (relativ) | % | 42 - 75 |
| Granulozyten | /µl | 2400 - 7400 |
| unreife Granulozyten | 1000/ul | < 0.6 |
| Neutrophile | % | 40.0-74.0 |
| Basophile | % | 0.00-1.50 |
| Eosinophile | % | 0.00-7.00 |
| Eosinophile Granulozyten | 1000/µl | 0.00 - 0.45 |
| Lymphozyten | % | 19.0-48.0 |
| Lymphozyten | /µl | 1100 - 4000 |
| Monozyten | /µl | 140 - 800 |
| Monozyten | % | 3.40-12.00 |
| Neutrophile Granulozyten | 1000/µl | 1.80 - 7.70 |
| Lymphozyten (relativ) | % | 20 - 40 |
| B-Zellen | /µl | 120 - 630 |
| B-Zellen (relativ) | % | 7 … 21 |
| HLADR+/CD3+ | /µl | < 230 |
| HLADR+/CD3+ | % | < 11 |
| CD8+/CD28- (regulativ) | /µl | 20 - 300 |
| CD8+/CD28- (regulativ) | % | 6 … 43 |
| CD8+/CD28+ (zytotox.) | /µl | 130 - 450 |
| CD8+/CD28+ (zytotox.) | % | 57 - 94 |
| T-Zellen | /µl | 920 - 2580 |
| T-Zellen | % | 61 - 84 |
| CD4/CD8-Ratio | kA | 1…3 |
| CD4+/CD8+ T-Zellen | /µl | < 100 |
| CD4+/CD8+ T-Zellen | % | < 5 |
| CD4-Helfer | /µl | 550 - 1460 |
| CD4-Helfer | % | 32 - 60 |
| CD8-Suppr. | /µl | 280 - 930 |
| CD8-Suppr. | % | 23 - 40 |
| Monozyten (relativ) | % | 2 … 14 |
| NK-Zellen | /µl | 210 - 740 |
| NK-Zellen | % | 10 … 30 |
| CD57+/ NK-Zellen | /µl | 60 – 360 / >200 |
| Erythrozyten | Mio/µl | 4.60-6.20 |
| Hypochrome Erythrozyten | % | <5 |
| Retikulozyten-HB (CHR) | pg | 28-35 |
| Retikulozyten | % | 0,7-1,5 |
| MCHC | g/dl | 32.0-36.0 |
| MCH | pg | 28.0-32.0 |
| MCV | fl | 80.0-99.0 / 90 |
| Thrombozyten | x1000/µl | 140-400 |
| **Erreger-Diagnostik** |  |  |
| Babesien IgG IFT |  | <1:16 |
| Babesien IgM IFT |  | <1:20 |
| Bartonella-henselae IgG |  | negativ |
| Bartonella-henselae IgM |  | negativ |
| Bartonella-quintana IgG |  | < 1:64 |
| Bartonella-quintana IgM |  | < 1:20 |
| **LTT-Borrelien und Borrelien-Antikörper:** |  |  |
| Borrelia afzelii | SI | < 2.0 |
| Borrelia garinii | SI | < 2.0 |
| Borrelia OspC | SI | < 2.0 |
| Borrelia sensu stricto | SI | < 2.0 |
| Mitogenkontrolle (PWM) | SI | > 8.0 |
| Positivkontrolle (Antigen) | SI | > 3.0 |
| Borrelia burgd.-IgG Ak i.S. (EIA) | U/ml | < 20 |
| Borrelia-IgG Blot-Ergebnis |  | negativ |
| Borrelia burgd.-IgM Ak i.S. (EIA) | U/ml | < 20 |
| Borrelia-IgM Blot-Ergebnis |  | negativ |
| p41 = Antikörper gegen Flagellin, p39, p18. VlsE, p100 |  | neg |
| **Co-Infektionen:** |  |  |
| Chlamydia trachomatis IgA-AK |  | negativ |
| Chlamydia trachomatis IgG-AK | kA |  |
| Chlamydia pneumoniae-IgM-Ak | Index | < 1.4 |
| Chlamydia pneumoniae -IgG- Ak | Index | < 1.3 |
| Coxsackieviren IgA, Serum\* | U/ml | < 10 |
| Coxsackieviren IgG, Serum\* | U/ml | < 11 |
| Coxsackieviren IgM, Serum\* | U/ml | < 10 |
| EBV-EBNA-IgG-Antikörper (CLIA) | S/CO |  |
| Epstein-Barr-Virus-IgG/VCA (CLIA) | S/CO | < 20 |
| Epstein-Barr-Virus-IgM/VCA (CLIA) | E/ml |  |
| Ehrlichiose-IgG (HGE)-AK IFT |  | < 1:64 |
| Ehrlichiose-IgM (HGE)-AK IFT |  | < 1:20 |
| Echinoc. granulosus (IHA) |  | < 1:32 |
| Echinokokken-AK (IHA)\* |  | 1:<32 |
| Echinoc. granulosus IgG (EIA) | MONA | < 6 |
| Echinokokken IgG Antikörper\* | U/ml | < 15 |
| Echinoc. multilocularis IgG-Ak | MONA | < 6 |
| Fleckfieber Gruppe A-IgG-Antikörper i.S.( R.rickettsii, R.c |  | < 1:64 |
| FSME IgG, Serum\* | U/ml | < 10 |
| FSME IgM, Serum\* | Ratio |  |
| HSV 1/2 IgG Antikörper |  | negativ |
| HSV 1/2 IgM Antikörper |  | negativ |
| Influenza A IgA Antikörper\* | U/ml | < 15 |
| Influenza A IgG Antikörper\* | U/ml | < 15 |
| Influenza B IgA Antikörper\* | U/ml | < 15 |
| Influenza B IgG Antikörper\* | U/ml | < 15 |
| Masernvirus IgG (CLIA) | AU/ml | <13.5 |
| Masernvirus IgM (CLIA) |  | negativ |
| Mumpsvirus IgG (CLIA) | AU/ml | < 9 |
| Mumpsvirus IgM (CLIA) |  | negativ |
| Mykoplasma IgG Antikörper | U/ml | < 20 |
| Mykoplasma IgM Antikörper | U/ml | < 13 |
| Mykoplasma IgA Antikörper | U/ml | < 10 |
| MRSA Kultur |  | neg |
| Q-Fieber Phase 1 IgA AK\* |  |  |
| Q-Fieber Phase 1 IgG AK\* |  |  |
| Q-Fieber Phase 2 IgG AK\* | U/ml | < 20 |
| Q-Fieber Phase 2 IgM AK\* |  |  |
| Fleckfieber Gruppe A-IgM Ak i.S.( R.rickettsii, R. conori , |  | < 1:64 |
| Typhus Gruppe IgG-AK( R. mooseri/typhi, R. prowazeki ) |  | < 1:64 |
| Typhus Gruppe Ak-IgM( R. mooseri/typhi, R. prowazeki ) R.p |  | < 1:64 |
| Röteln IgG Antikörper (CLIA) | IE/ml | < 9 |
| Röteln IgM Antikörper (CLIA) |  | negativ |
| Toxoplasmose IgG Antikörper (CLIA) | IE/ml | < 7.2 |
| Toxoplasmose IgM Antikörper (CLIA) |  | negativ |
| Treponemen-AK Suchtest (CLIA) |  | negativ |
| Varizella Zoster-IgG-Ak (CLIA) | IU/l | < 100 |
| Varizella Zoster-IgM-Ak (CLIA) |  | negativ |
| Yersinien-IgG-Antikörper | U/ml | < 20 |
| Yersinien-IgA-Antikörper | U/ml | < 20 |
| Yersinien-IgM-Antikörper | U/ml | < 20 |
| Zeckenbissfiebergruppe-IgG IFT\* | Titer | < 1:64 |
| Zeckenbissfiebergruppe-IgM IFT\* | Titer | < 1:64 |
| Zytomegalie IgG AK/CMV-G (CLIA) | S/CO |  |
| Zytomegalie IgM AK/CMV-M (CLIA) | S/CO |  |
|  |  |  |
|  |  |  |