**Параметры биохимического картриджа**

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| **Профили** | **Наименование теста** | **Заболевания** | **Тип пробы** | **Время реакции** | **Предел измерения** | **Клинические значения** | **Аттестация** |
| **Метаболический** | Vitamin D | Bone Metabolism | Plasma/Serum | 15 мин | 5-100 ng/mL | 30-100 ng/mL | CE |
| **Диабет и почечная недостаточность** | HbA1c | Diabetes Mellitus | WB | 5 min | 4.0-14.5% | 4-6.5% | CE IFCC NGSP |
| MAU | Renal Injury | Urine | 3 min | 5-300 mg/L | 0-20 mg/L | CE |
| CysC | Renal Injury | WB/Serum/Plasma | 5 min | 0.2-10 mg/L | 0.5-1.1 mg/L | CE |
| NGAL | Renal Injury | Urine | 15 min | 10-1500 ng/mL | ≤131.7 ng/mL | CE |
| β2-MG | Proximal Renal Tubule Dysfunction | WB/Serum/Plasma | 10 min | 0.3-20 mg/L | 1.0-2.7 mg/L | CE |
| **Функциональная терапия** | T3 | Thyroid Malfunction | WB/Serum/Plasma | 15 min | 0.61-9.22 nmol/L | 1.23-3.07 nmol /L | CE |
| T4 | Thyroid Malfunction | WB/Serum/Plasma | 15 min | 12.87-300 nmol/L | 66-181 nmol/L | CE |
| TSH | Thyroid Malfunction | WB/Serum/Plasma | 15 min | 0.1-100 mIU/L | 0.3-4.2 mIU/L | CE |
| fT3 | Thyroid Malfunction | WB/Serum/Plasma | 15 min | 0.40-50.00 pmol/L or 0.26~32.55 ng/dL | 2.8-7.1 pmol/L (1.82-4.61 ng/dL) |  |
| fT4 | Thyroid Malfunction | WB/Serum/Plasma | 15 min | 1.00~100 pmol/L or 0.078~7.77 ng/dL | 12-22 pmol/L (0.94-1.72 ng/dL) |  |
| **Способность к деторождению** | β-HCG | Fertility | WB/Serum/Plasma | 15 min | 2-200,000 mIU/mL | 5 mIU/mL | CE |
| LH | Fertility | WB/Serum/Plasma | 15 min | 1-100 mIU/mL | Male: 1.50-12.40 mIU/mL Female:Follicular phase:4.46-12.43 mIU/mL Ovulation phase􀄟4.88-20.96 mIU/mL Luteal phase:1.96-7.70 mIU/mL Menopause phase: 22.70-130.00 mIU/mL | CE |
| FSH | Fertility | WB/Serum/Plasma | 15 min | 1-100 mIU/mL | Male: 1.70-8.60 mIU/mL; Female: Follicular phase:2.95-13.65 mIU/mL Ovulation phase:13.65-95.75 mIU/mL; Luteal phase:1.25-11.00 mIU/mL Menopause phase:8.24-55.23 mIU/mL | CE |
| Prog | Fertility | WB/Serum/Plasma | 15 min | 1.5-60 ng/mL | Male: 0.2-1.5 ng/mL Female: Follicular phase: 0.2-2.0 ng/mL Ovulation phase: 0.7-3.5 ng/mL Luteal phase: 3.0-30 ng/mL Menopause phase: 0.1-0.9 ng/mL 7 weeks of pregnancy: 17.5~31.5 ng/mL 9-12 weeks of pregnancy: 25.0~51.0 ng/mL | CE |
| PRL | Fertility | WB/Serum/Plasma | 15 min | 1-200 ng/mL | Female: 4.60-25.07 ng/mL Male: 3.45-17.42 ng/mL |  |
| E2 | Fertility | WB/Serum/Plasma | 15 min | 9-3000 pg/mL | Male: <85pg/mL Female: Follicular Phase: 12-262pg/mL; Ovulation: 40-396pg/mL Luteal Phase: 21-381pg/mL; Menopause:<190pg/mL Pregnancy:>145pg/mL |  |
| Testosterone | Fertility | WB/Serum/Plasma | 15 min | 0.2-15 ng/mL | Male: 20-49 years old 1.61-8.41ng/mL ≥50 years old <0.61ng/mL Female: 20-49 years old ≤0.80ng/mL ≥50 years old <0.71ng/mL |  |
| AMH | Fertility | WB/Serum/Plasma | 15 min | 0.1-16 mIU/mL | Male: 20-60 years old: 0.92-13.89mIU/mL Female:20-29 years old:0.88-10.35mIU/mL 30-39 years old:0.31-0.86mIU/mL 40-50 years old:≤5.07mIU/mL |  |
| **Кардиомаркёры** | NT-proBNP | Heart Failure | WB/Serum/Plasma | 15 min | 18-35000 pg/mL | <75y, 0-300 pg/mL ≥75y, 0-450 pg/mL | CE |
| cTn I | Myocardial Infarction | WB/Serum/Plasma | 15 min | 0.1-50 ng/mL | 0-0.3 ng/mL | CE |
| Myo | Myocardial Infarction | WB/Serum/Plasma | 15 min | 2.0-400 ng/mL | 0-58 ng/mL | CE |
| CK-MB | Myocardial Infarction | WB/Serum/Plasma | 15 min | 0.3-100 ng/mL | 0-5 ng/mL | CE |
| H-FABP | Myocardial Infarction | WB/Serum/Plasma | 15 min | 1-120 ng/mL | 0-7 ng/mL | CE |
| 3 in 1 (cTn I/Myo/CK-MB) | Myocardial Infarction | WB/Serum/Plasma | 15 min | Same with single items | Same with single items | CE |
| BNP | Heart Failure | WB/Serum/Plasma | 15 min | 5-5000 pg/mL | 0-100 pg/mL | CE |
| 2 in 1 (cTn I/ NT-proBNP) | Myocardial Infarction | WB/Serum/Plasma | 15 min | Same with single items | Same with single items | CE |
| hsCRP | CVD | WB/Serum/Plasma | 3 min | 0.1-10mg/L | ≤1.0 mg/L | CE |
| **Коагуляция** | D-Dimer | Coagulation | WB/Plasma | 5 min | 0.1-10mg/L | 0-0.5 mg/L | CE |
| D-Dimer one step | Coagulation | WB/Plasma | 15 min | 0.1-10mg/L | 0-0.5 mg/L | CE |
| **Маркёры миокарда** | PCT | Sepsis | WB/Serum/Plasma | 15 min | 0.1-100 ng/mL | 0-0.5 ng/mL | CE |
| CRP (hsCRP+CRP) | Inflammation | WB/Serum/Plasma | 3 min | 0.5-200 mg/L | CRP:0-10 mg/L hsCRP:0-1 mg/L | CE |
| 2 in 1 (CRP+PCT) | Infection & Inflammation | WB/Serum/Plasma | 15 min | CRP:0.5-150 mg/L PCT:0.1-100 ng/L | CRP:<10 mg/L PCT:<0.5 ng/L | CE |
| SAA | Infection & Inflammation | WB/Serum/Plasma | 15 min | 1.0-300 mg/L | 0-10 mg/L | CE |
| **Онкомаркёры** | AFP | Liver Cancer | WB/Serum/Plasma | 15 min | 5-400 ng/mL | 0-20 ng/mL | CE |
| PSA | Prostate Cancer | WB/Serum/Plasma | 15 min | 2-100 ng/mL | 0-4 ng/mL | CE 0123 |
| CEA | Cancer | WB/Serum/Plasma | 15 min | 1-500 ng/mL | 0-5 ng/mL | CE |
| fPSA | Prostate Cancer | WB/Serum/Plasma | 15 min | 0.2-30 ng/mL | < 1 ng/mL | CE 0123 |
| AFP | Liver Cancer | WB/Serum/Plasma | 15 min | 5-400 ng/mL | 0-20 ng/mL | CE |
| **Другие** | Cortisol | Cortisol disorders | WB/Serum/Plasma | 15 min | 50-1000 nmol/L | 7:00-10:00a.m.: 201.31~536.54 nmol/L 4:00-8:00p.m.: 65.78~330.85 nmol/L |  |