**KD-IV Rapid Test Reader**

- Simultaneous detection of multiple samples, faster and more accurate
- Eliminate the subjectivity of result interpretation
- Quantitative testing to better meet laboratory needs
- Simple operation, one-step adding sample, direct machine detection, without any cumbersome steps
- Periodic testing and instant testing functions are applicable
- 4 channels, rapid test, only 30 seconds are needed for each test
- Print the data instantly
- Multi-National language interface
- Compatible with alternating current of 100-220V

**Benefits of Chemtrue® KD-IV Rapid Test Reader**

**Application**
Quantitative tests:
HCG/ MAU/ cTnl/ CRP/D-Dimer/ cTnl/CK-MB/Myo/ PCT/NT-proBNP

**Composition of Rapid Test Reader System**
Test Device
Electric circuit control system
Mechanical drive system
Data acquisition system
Software

With the use of the reader, it can make the results more accurate and objective. The application of the Rapid Test Reader can be promoted to the hospitals, laboratories.

**Quantitative Test**

<table>
<thead>
<tr>
<th>Test Cassette</th>
<th>Intended Use</th>
<th>Specimen</th>
<th>Cut-Off</th>
<th>Linear-Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>β-HCG</td>
<td>Diagnosis of Pregnancy</td>
<td>Urine/Whole Blood/Serum/Plasma</td>
<td>25mIU/ml</td>
<td>10-50000mIU/ml</td>
</tr>
<tr>
<td>hsCRP-CRP</td>
<td>Diagnosis of Infection</td>
<td>Whole Blood/Serum/Plasma</td>
<td>hsCRP: 1.0mg/L, CRP: 10mg/L</td>
<td>0.1-200mg/L</td>
</tr>
<tr>
<td>PCT</td>
<td>Diagnosis of Sepsis</td>
<td>Whole Blood/Serum/Plasma</td>
<td>0.5ng/ml</td>
<td>0.1-50ng/ml</td>
</tr>
<tr>
<td>NT-proBNP</td>
<td>Diagnosis of Myocardial Infarction</td>
<td>Whole Blood/Serum/Plasma</td>
<td>300pg/ml</td>
<td>200-200000pg/ml</td>
</tr>
<tr>
<td>MAU</td>
<td>Diagnosis of Renal Injury</td>
<td>Urine</td>
<td>20μg/ml</td>
<td>10-200μg/ml</td>
</tr>
<tr>
<td>D-Dimer</td>
<td>Diagnosis of DVT/PTEDIC</td>
<td>Whole Blood/Serum/Plasma</td>
<td>0.5μg/ml</td>
<td>0.1-2.0μg/ml</td>
</tr>
<tr>
<td>cTnl</td>
<td>Diagnosis of Myocardial Infarction</td>
<td>Whole Blood/Serum/Plasma</td>
<td>1ng/ml</td>
<td>1-50ng/ml</td>
</tr>
<tr>
<td>cTnl/CK-MB/Myo</td>
<td>Diagnosis of Myocardial Infarction</td>
<td>Whole Blood/Serum/Plasma</td>
<td>cTnl: 1ng/ml, CK-MB: 5ng/ml, Myo: 70ng/ml</td>
<td>cTnl: 1-50ng/ml, CK-MB: 5-100ng/ml, Myo: 25-500ng/ml</td>
</tr>
</tbody>
</table>
Quantitative Test

1. Power Switch on.
2. Quality Control
   - QC Succeed
   - Start Testing

   - Bar code selection yes
     - Insert reagent corresponding U disk
     - Refresh and save U disk data
     - Insert the cassette with specimen into the instrument
     - Periodic testing / Instant testing

   - Bar code selection no
     - Insert the U disk and refresh
     - Insert the cassette with specimen into the instrument
     - Periodic testing / Instant testing

3. Get the result, take out the cassette, pull out the U disk
4. Power Switch OFF