

# SimplexTAS 101

## for Sports Medicine

TASCOM

In-vitro diagnostics

Prevent and care for  
muscle injuries

Manage chronic diseases  
in professional sports

In both home and away  
games

SimplexTAS 101 system is a multi-assay POCT (point of care testing) system useful for sports medicine. The analyzer is small and light enough to hand-carry to away games. It can measure a wide range of CK (Creatine Kinase) to easily monitor and prevent muscle injuries. Finger prick testing of many other parameters makes it easy to regularly monitor and manage chronic diseases in sports medicine including diabetes, cardiovascular disease and hyperlipidemia, liver diseases, kidney diseases and gout.



Relative Size Comparison

TASCOM

In-vitro diagnostics

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# Beneficial Features of SimplexTAS 101 System

- **Easy CK testing with fingertip whole blood without any pretreatment**
- **Wide test range 10~4,000 IU/L (with 2 kinds of cartridges)**

Comparison	Sample Type	Measurement range (IU/L)
SimplexTAS 101 CK & CK(W)	Whole blood	CK: 10~1,200 CK(W): 500~4,000
Fuji Drichem CPK-PIII	Serum or Plasma	10~2,000
Spotchem II CPK	Serum or Plasma	50~2,000
Reflotron CK	Whole blood	24.4~1,400 (37°C)

- **Small & light weight (27x22x26 cm / 3.4 kg):** Hand-carriable to away games
- **Up to 4 different tests in a single run (13 min):** Save time and choose any 4 tests you want
- **Simple 3-step test with fingertip whole blood:** No lab technician needed

## Step 1. Collect sample

Blood sample  
from fingertip



## Step 2. Insert cartridge

Put cartridge  
into the device



## Step 3. Run test

Close the lid and test  
starts automatically



## Multi-parameter testing

Parameters	Test range	Sample volume	To manage
CK [Creatine Kinase] CK(W)	10~1,200 IU/L 500~4,000 IU/L	20 µL 20 µL	Muscle damage Neuromuscular diseases
Glucose HbA1c	10~700 mg/dL 4.0~15.0 %	10 µL 4 µL	Diabetes
Total cholesterol Triglyceride HDL	20~500 mg/dL 10~500 mg/dL 10~150 mg/dL	10 µL 20 µL 10 µL	Cardiovascular disease Hyperlipidemia
BUN Creatinine Potassium (Serum)	2~100 mg/dL 0.3~25.0 mg/dL 2.0~20.0 mmol/L	10 µL 20 µL 10 µL	Kidney disease
AST [GOT] ALT [GPT] GGT(Plasma)	2~500 IU/L 2~500 IU/L 5~800 IU/L	20 µL 20 µL 20 µL	Liver disease
Hemoglobin	0.1~25.0 mg/dL	10 µL	Dehydration, Anemia
CRP	5.0~200.0 mg/L	10 µL	Inflammation Autoimmune diseases
Uric Acid	1.0~20.0 mg/dL	10 µL	Gout