

Fully Automated Particle Analyser

# UF-4000/5000



# Specification sheet

## Sysmex Fully Automated Urine Particle Analyser UF-4000 / UF-5000

### PRINCIPLE

Fluorescence Flow Cytometry with blue semiconductor

### PARAMETER

#### RBC

Non Lysed RBC

#### WBC

WBC Clumps

#### Epithelial cells (EC)

Squamous (Squa EC)  
Non-squamous (Non-SEC)  
Transitional (Tran EC)  
Renal tubular (RTEC)

#### CAST

Hyaline cast (Hy-CAST)  
Pathological cast (Path-CAST)

#### Bacteria (BACT)

Crystal (X'TAL)  
Yeast like cells (YLC)  
Sperm  
Mucus

### RESEARCH PARAMETER

Lysed RBC  
Small round cells (SRC)  
Conductivity  
Osmolality  
Debris

### RESEARCH INFORMATION FLAGGING

RBC-Info : Dysmorphic  
Isomorphic  
Mixed  
UTI-Info : UTI  
BAC-Info : Gram Negative  
Gram Positive  
Gram Pos/Neg  
Unclassified  
Conductivity

### BODY FLUID

RBC  
Epithelial cells (EC)  
Total nucleated cells (TNC)  
Bacteria

WBC  
Mononuclear (MN#, MN%)  
Polymorphonuclear Leucocytes  
(PMN#, PMN%)

### THROUGHPUT

UF-4000: 80 samples per hour  
UF-5000: 105 samples per hour

### BODY FLUID THROUGHPUT

UF-4000: 15 samples per hour  
UF-5000: 20 samples per hour

### SAMPLE VOLUME

STAT Mode: 0.60 mL  
Sampler Mode: 2.0 mL

### ASPIRATED VOLUME

0.45 mL

### SOFTWARE

U-WAM

### DATA MEMORY

1,000 samples  
[U-WAM: 100,000 samples]

### INTERFACE

10.4 inch touchscreen LCD

### DIMENSION / WEIGHT

CV-11: 80 samples (8 racks)  
640(W) x 900(D) x 872(H)mm / ~100kg  
SA-51: 50 samples (5 racks)  
760(W) x 754(D) x 855(H)mm / ~90 kg

### POWER CONSUMPTION

100 to 240 V AC (50/60 Hz)  
Main unit: 600 VA or less

Registered under Act 737  
Registration No: IVDB22023114718

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