

# AUTO-DAT



**THE SOLUTION TO STANDARDIZE  
SEROAGGLUTINATION TESTS IN MICROPLATES**

**DIESSSE**

# AUTO-DAT

4 test available  
for infectious diseases:

WIDAL-WRIGHT

WEIL-FELIX

RPR

TPHA



## BENEFITS

FOR THE LABORATORY



Automation

### AUTOMATION OF MIXING, INCUBATION AND READING

The operator just needs to prepare the microplate, thus making protocols more reproducible.



Reduced TAT

### REDUCED TIME FROM SAMPLES TO RESULTS

Reduced hands-on time for the operator, for a better organization of the routine in the laboratory.



Artificial Intelligence

### OBJECTIVE REPORTS

Computer vision interprets the high resolution images, delivering semi-quantitative results.



Traceability

### TRACEABILITY OF SAMPLES AND REAGENTS

Bidirectional LIS connectivity with ASTM protocol, external barcode reader and integrated printer.



User friendly

### INTUITIVE GUI

The intuitive Graphic User Interface is designed in Italy.

**DIESSE**

# KITS

READY-TO-USE REAGENTS

## Typhoid fever and brucellosis

WW-DAT

(WIDAL-WRIGHT)



**AO** - *Salmonella* Paratyphi A, somatic antigen O

**AH** - *Salmonella* Paratyphi A, flagellar antigen H

**BO** - *Salmonella* Paratyphi B, somatic antigen O

**BH** - *Salmonella* Paratyphi B, flagellar antigen H

**TO** - *Salmonella* Typhi, somatic antigen O

**TH** - *Salmonella* Typhi, flagellar antigen H

**BR** - *Brucella*

## Rickettsiosis

WF-DAT

(WEIL-FELIX)



**OX 2** - *Proteus*, antigen OX 2

**OX K** - *Proteus*, antigen OX K

**OX 19** - *Proteus*, antigen OX 19

**WW-DAT and WF-DAT**

Semiquantitative  
results in single well  
in only 15 minutes,  
without dilutions

## Syphilis diagnosis

RPR-DAT

(Rapid Plasma Reagin)



Non-treponemic Test

Detects IgG/IgM antibodies specific for lipidic antigens released by the host damaged cells and/or specific for cardiopiline released by *Treponema*.

TPHA-DAT

(*Treponema pallidum* Haemo Agglutination)



Treponemic Test

Detects the presence in the sample of IgG/IgM antibodies specific for *Treponema* antigens.

**DIESSE**

# MAIN FEATURES

## INSTRUMENT AND REAGENTS

### INSTRUMENT

26001 AUTO-DAT

### REAGENTS

26011	WW-DAT ADVANCED*	7x100 det
26021	WF-DAT ADVANCED*	3x60 det
26031	RPR-DAT ADVANCED	500 det
26041	TPHA-DAT ADVANCED	50 det
26007	WW-DAT BRUCELLA POSITIVE CONTROL*	0,4 ml

### MICROPLATES

26002	AUTO-DAT MICROPLATES WW WF*	20 pc
26006	AUTO-DAT MICROPLATES RPR	20 pc
26004	AUTO-DAT MICROPLATES TPHA	20 pc

### ACCESSORIES

10403	THERMAL PAPER	1 pc
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### AUTO-DAT TECHNICAL FEATURES

DISPLAY	INTEGRATED RECLINABLE RESISTIVE TOUCH SCREEN: TFT-LCD 10.1" - 1024x600 (RGB)
CAMERA	2 HIGH RESOLUTION CAMERAS - 12 MP
PRINTER	THERMAL PRINTER ON BOARD
ORBITAL MIXER	100 RPM (SLOW ROTATION) / 1000 RPM (FAST ROTATION)
BARCODE READER	ONE-DIMENSIONAL EXTERNAL BARCODE READER
BACKLIGHT	ONE LED PER WELL TO ACHIEVE MAXIMUM UNIFORMITY
CONNECTION	1 LAN, 2 USB PORTS, 1 RS232C
DIMENSIONS (H x D x W)	658 x 405 x 360 mm
WEIGHT	16 kg
POWER SPECIFICATIONS	VOLTAGE: 100-240 V / FREQUENCY: 50-60 Hz/ CONSUMPTION: 90 VA
NOISE LEVEL	< 80 dB

\*coming soon