

AUTO-DAT



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

DIESSe

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.



Objective reports

COMPUTER VISION AND ARTIFICIAL INTELLIGENCE
Algorithms to interpret reaction images and to deliver semiquantitative results; AI to check microplates.



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 and allows a simple user experience.

DIESSE

KITS

READY-TO-USE REAGENTS

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 cardiolipine 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.



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 5 minutes, without dilutions

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