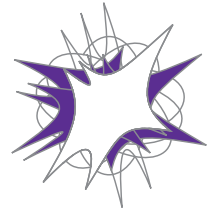


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Immunomat™ *BASE*
Fully automated SERION ELISA analyser

Immunomat™ *BASE*



The **Immunomat™ *BASE*** is a 4-plate benchtop automat with integrated pipetting system, plate transporter, ELISA washer and reader. Four plate positions and incubators with agitation function to guarantee an efficient workload of the instrument allowing the processing of up to seven microtitre plates.

Fully automated ELISA Analyser

The **Immunomat™ *BASE*** attention to detail includes a barcode identification system for racks, reagents and microtitre plates and allows the processing of up to 16 different assays per plate. The easy access to buffers and reagents, level sensors for all fluid containers and software-controlled tip management system guarantee customer convenient handling.



Liquid handling

The **Immunomat™ *BASE*** is evaluated for antibody and antigen detection in serum, plasma and cerebrospinal fluid (CSF), if necessary, as well as for avidity

determination with SERION ELISA *classic* and SERION ELISA *antigen* immunoassays.



Barcoded SERION ELISA kit components

Immunomat™ *BASE* Software

The **Immunomat™ *BASE*** software allows the generation of assay protocols, panel definitions and worklists for routine diagnostics. Connection to laboratory software systems is possible via the bi-directional ASTM interface. Evaluation of SERION ELISA tests is carried out conveniently by using the **Immunomat™ *BASE*** software.

Technical data of Immunomat™ **BASE**

Instrument	
W x D x H	114 cm x 156 cm x 100 cm
Weight	130 kg
Mains voltage	110 - 260 Universal a.c. Input
Temperatur of environment	5 - 40 °C
Max. number of plates	Up to 7 plates
Barcode	Barcode identification of samples, reagents and microtitre plates
Barcode laser	Scanner for racksystem
Max. number of samples	Max. 100 tubes (max. average 16 mm)
Reagents	SERION racks
Dilution positions	Up to 4 dilution plates
Max. number of tip racks	Up to 5 tip racks with 300 µl or 1100 µl disposable tips
Pipetting system	
Pipetting system	Liquid pipettor for disposable tips
Volumes min. / max.	For 300 µl tips 10 - 300 µl, for 1100 µl tips 301 - 1000 µl
Accuracy	< 15 % CV for 25 µl volumes; < 5 % CV for 100 µl volumes
Precision	< 5 % CV for 25 µl volumes; < 2,5 % CV for 100 µl volumes
Incubators	
Incubation capacity	4 independent chambers with agitation function
Incubation range	Between RT up to max. 50 °C with temperature control
Temperature	+/- 2 °C (determined in the plate with 100 µl Aqua)
ELISA Washer	
Capacity of buffers	Max. 4 positions
Dispense volume	200 - 2500 µl / well
Residual volume	< 2,5 µl in U-shaped bottom; < 4 µl in flat bottom
Fluid alarms	Automated warning in case of lack of reagents or filled waste bag.
Photometer	
Spectral range	400 - 700 nm
Dynamic range	-0,100 OD up to 3,00 OD
Accuracy	+/- 0,005 OD or 2,5 %
Reading time / 96 wells	< 15 sec.
Number of filters	Up to 8 filter positions

Highlights of Immunomat™ **BASE**

- **Fully automated** SERION ELISA test analyser
- Washer for 96-well ELISA microtitre plates
- Validated for **antibody detection** in serum, plasma or cerebrospinal fluid (CSF) with SERION ELISA *classic* immunoassays
- Validated for **avidity determination** in serum, plasma or cerebrospinal fluid (CSF) with SERION ELISA *classic*
- Validated for **antigen detection** with SERION ELISA *antigen*
- **Short loading times** with reload function for patient samples, reagents and microtitre plates
- Processing of **up to 16 different assays per plate**
- **Level sensors for fluid containers** with **automated warning** in case of **lack of reagents or filled waste bag**
- **Easy access to buffers and reagents**
- **Multishot dispenser function** and **memory function for tip racks**
- **Barcode identification** of samples, reagents and microtitre plates
- **2D hand barcode scanner for parameters of quality control certificates**
- **Clot detection**
- **Walk away funktion**
- Fast and **quantitative evaluation** of SERION ELISA *classic* tests
- **Bi-directional connection to laboratory software systems** via ASTM interface



Order Information of Immunomat™ **BASE** and Lab Ware

Immunomat™ **BASE**

Dilution plates, U-form, 300 µl, 250 pieces

Pipetting tips, 300 µl, 18 x 960 tips

Pipetting tips, 1100 µl, 10 x 960 tips

Plastic bottles, white, with cap, 35 ml, 100 pieces

Plastic bottles, yellow, with cap, 35 ml, 100 pieces

Plastic bottles, white, with cap, 50 ml, 100 pieces

Glas bottles, with cap, 2.5 ml, 323 pieces

Glas bottles, with cap, 2.5 ml, 30 pieces

Waste bags, 10 pieces

Order Nr.: VT 020

Order Nr.: VT 100

Order Nr.: VT 111

Order Nr.: VT 112

Order Nr.: VT 113

Order Nr.: VT 114

Order Nr.: VT 115

Order Nr.: VT 116

Order Nr.: VT 116-30

Order Nr.: VT 051

Please visit our website www.virion-serion.com for more information on our products.

Institut Virion\Serion GmbH
Serion Immundiagnostica GmbH
Friedrich-Bergius-Ring 19
97076 Würzburg, Germany

Tel.: +49 (0)931 3045-222
Fax: +49 (0)931 3045-100
dialog@virion-serion.de
www.virion-serion.com

Institut Virion\Serion GmbH
Beijing 100005, China

www.virion-serion.cn