



**Orgenium Laboratories**

# ***ELISA Product Catalogue 2007-2008***

***Clinikit®  
Infectious  
Diseases***

***AviBion  
Research  
Kits***



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Laboratories

**Orgenium**



## LABORATORIES

# Orgenium

### ORGENIUM LABORATORIES

Orgenium Laboratories is a privately owned Biotechnology company located in Helsinki, Finland. We specialize in developing and manufacturing ELISA test kits for research use and for in vitro diagnosis of infectious diseases.

Our aim and commitment is to provide diagnostic and research professionals with products and customer service which reflect our dedication to high quality, flexibility, user-friendliness and reliability.

### QUALITY

All our products are manufactured under strictly controlled CE and ISO 9001:200 and 13485:2003 certified processes in our facilities in Helsinki. Our core production staff and production facilities adhere closely to the guidelines of our Quality System, ensuring conformity to consistent product quality. By separating each key phase in our production and quality control testing into distinct self-sufficient laboratory areas we are able to ensure that each stage functions independently and reliably.

### PRODUCTS

Orgenium's product range consists of two separate product lines; Clinikit ELISA tests for in vitro diagnosis of infectious diseases and AviBion research use only ELISA tests for the quantitative determination of **cytokines, hormones and growth factors**. While designed for different purposes, both product lines are characterized by the ease-of-use and high quality which we strive for.

All Clinikit ELISA kits for in vitro diagnostic use are CE-marked.

### CUSTOMER SERVICE

In addition to providing our customers with high-quality products, we place great importance on giving our customers the support, training, and assistance they need or desire. We feel strongly that our part doesn't just end when the product is delivered and we are always available to provide customer support and also willingly receive any comments and feedback from our customers.



## Infectious Disease **ELISA**

### **Clinikit Infectious Disease Parameters**

Orgenium's Infectious Disease ELISA product line offers a reliable and economical solution for the qualitative and/or semi-quantitative detection of human IgG or IgM antibodies. All Clinikit test components are suitable for automation.

#### **ALL CLINIKIT INFECTIOUS DISEASE ELISA PRODUCTS OFFER:**

- Qualitative and semi-quantitative detection of IgG & IgM antibodies
- High sensitivity and specificity
- User-friendly test design
- Unified test procedure for all parameters
- Ready-to-use, interchangeable set of colour-coded reagents
- Text coded plates with break-apart wells
- Long shelf life and reagent stability
- Same sample dilution ratio for all parameters
- Short incubation time:  
Total of 75 minutes
- Easy adaptation to commonly used automated instruments





# TORCH

## TORCH PARAMETERS

**THE TORCH ELISA** kits (Toxoplasma gondii, Rubella, Cytomegalovirus and Herpes Simplex Virus) are designed for the serological diagnosis of critical infectious diseases that can cause fetal death, birth defects in newborns and serious illnesses in adults or immunocompromised patients.

*TORCH family of IVD tests*

Catalogue number	Product
TXG3034G	Toxoplasma gondii IgG
TXG3035M	Toxoplasma gondii IgM
RUB3044G	Rubella Virus IgG
RUB3045M	Rubella Virus IgM
CMV3054G	Cytomegalovirus IgG
CMV3055M	Cytomegalovirus IgM
HSV3014G	Herpes Simplex Virus-1 IgG
HSV3015M	Herpes Simplex Virus-1 IgM
HSV3024G	Herpes Simplex Virus-2 IgG
HSV3025M	Herpes Simplex Virus-2 IgM
HSV3012G	Herpes Simplex Virus-1+2 IgG
HSV3022M	Herpes Simplex Virus-1+2 IgM

### BBI T. gondii Performance Panel, IgG results:

Toxoplasma gondii performance panel (Cat#PTT201) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium T. gondii IgG EIA test.

*BBI Toxoplasma Performance Panel Results for Orgenium's T. gondii IgG kit*

BBI Sample ID	Abbott IMx Toxo-IgG Lot: 96433Q100	BioMerieux VIDAS Toxo-IgG Lot: 960221-0	Orgenium T. gondii IgG Lot: TXGG070813 Ratio (S/Co)	Orgenium T. gondii IgG Interpretation
1	Positive	Positive	2.26	Positive
2	Negative	Positive	0.88	Negative
3	Negative	Negative	0.26	Negative
4	Positive	Positive	4.18	Positive
5	Positive	Positive	1.97	Positive
6	Positive	Positive	3.62	Positive
7	Positive	Positive	1.73	Positive
8	Positive	Positive	3.78	Positive
9	Positive	Positive	4.77	Positive
10	Positive	Positive	1.94	Positive
11	Positive	Positive	4.27	Positive
12	Positive	Positive	3.30	Positive
13	Negative	Negative	0.21	Negative
14	Positive	Positive	1.67	Positive
15	Positive	Positive	2.16	Positive
16	Positive	Positive	2.10	Positive
17	Positive	Positive	5.19	Positive
18	Positive	Positive	1.79	Positive
19	Positive	Positive	3.35	Positive
20	Positive	Positive	2.09	Positive
21	Negative	Negative	0.23	Negative
22	Positive	Positive	2.80	Positive
23	Positive	Positive	5.20	Positive
24	Positive	Positive	2.00	Positive
25	Positive	Positive	4.24	Positive

### BBI T. gondii IgM Performance Panel, IgM results

Toxoplasma gondii performance panel (PTT201) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium T. gondii IgM EIA test.

*BBI Toxoplasma Performance Panel Results for Orgenium's T. gondii IgM kit*

Sample ID	Abbott IMx Lot: 95441Q100	BioMerieux VIDAS Lot: 951215-0	Orgenium T. gondii IgM Lot: TXGM070813 Ratio (S/Co)	Orgenium T. gondii IgM Interpretation
1	Negative	Negative	0.42	Negative
2	Negative	Negative	0.26	Negative
3	Negative	Negative	0.30	Negative
4	Negative	Negative	0.31	Negative
5	Negative	Negative	0.84	Negative
6	Negative	Negative	0.33	Negative
7	Negative	Negative	0.15	Negative
8	Positive	Positive	2.14	Positive
9	Negative	Negative	0.34	Negative
10	Negative	Negative	0.29	Negative
11	Positive	Positive	2.08	Positive
12	Negative	Negative	0.37	Negative
13	Positive	Positive	2.18	Positive
14	Negative	Negative	0.56	Negative
15	Negative	Negative	0.24	Negative
16	Negative	Negative	0.60	Negative
17	Positive	Positive	0.9	*Uncertain
18	Negative	Negative	0.20	Negative
19	Negative	Negative	0.46	Negative
20	Negative	Negative	0.20	Negative
21	Negative	Negative	0.40	Negative
22	Negative	Negative	0.31	Negative
23	Positive	Positive	1.56	Positive
24	Negative	Negative	0.25	Negative
25	Positive	Positive	1.50	Positive

\*This sample (#17) was found negative with another commercially available CE marked T. gondii M capture assay. Activity loss of the sample due to freeze-thaw cycles is a possible cause for this.

### BBI Rubella IgG Performance Panel

Rubella performance panel (PTR201) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium Rubella IgG EIA test.

*BBI CMV Performance Panel Results for Orgenium's Rubella IgG kit*

Sample ID	Abbott-IMX EIA Rubella IgG Lot: 02893M200	BioWhittaker EIA Rubella-IgG Lot: 4E2319	Orgenium Rubella IgG Lot: RUBG070813 Ratio (S/Co)	Orgenium Rubella IgG Interpretation
1	Positive	Positive	4.72	Positive
2	Positive	Positive	5.496	Positive
3	Positive	Positive	7.632	Positive
4	Positive	Positive	7.808	Positive
5	Negative	Negative	0.296	Negative
6	Positive	Positive	1.604	Positive
7	Positive	Positive	2.556	Positive
8	Positive	Positive	2.06	Positive
9	Positive	Positive	6.62	Positive
10	Positive	Positive	4.172	Positive
11	Positive	Positive	2.728	Positive
12	Positive	Positive	7.732	Positive
13	Positive	Positive	6.484	Positive
14	Positive	Positive	1.324	Positive
15	Positive	Positive	7.768	Positive
16	Negative	Negative	0.448	Negative
17	Positive	Positive	3.916	Positive
18	Positive	Positive	2.172	Positive
19	Positive	Negative	2.004	Positive
20	Positive	Positive	5.244	Positive
21	Positive	Positive	3.54	Positive
22	Positive	Positive	1.076	Positive
23	Positive	Positive	3.392	Positive
24	Positive	Positive	1.376	Positive
25	Positive	Positive	6.352	Positive

### BBI Rubella IgM Performance Panel

Rubella performance panel (PTR201) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium Rubella IgM EIA test.

*BBI CMV Performance Panel Results for Orgenium's CMV IgM kit*

Sample ID	Abbott Rubella IgM Lot: 06143M100	BioWhittaker Rubella IgM Lot#4E8570	Orgenium Rubella IgM Lot: RUBM070813 Ratio (S/Co)	Orgenium Rubella IgM Interpretation
1	Negative	Negative	0.5	Negative
2	Negative	Negative	0.8	Negative
3	Positive	Positive	1.3	Positive
4	Negative	Negative	0.5	Negative
5	Negative	Negative	0.4	Negative
6	Negative	Negative	0.5	Negative
7	Positive	Negative	1.0	Positive
8	Negative	Negative	0.6	Negative
9	Negative	Negative	0.4	Negative
10	Negative	Negative	0.4	Negative
11	Positive	Positive	3.0	Positive
12	Negative	Negative	0.4	Negative
13	Negative	Negative	0.5	Negative
14	Negative	Negative	0.4	Negative
15	Negative	Negative	0.6	Negative
16	Negative	Negative	0.5	Negative
17	Negative	Negative	0.5	Negative
18	Uncertain	Positive	1.2	Positive
19	Positive	Negative	1.5	Positive
20	Negative	Negative	0.3	Negative
21	Negative	Negative	0.4	Negative
22	Negative	Negative	0.4	Negative
23	Negative	Negative	0.5	Negative
24	Positive	Negative	1.2	Positive
25	Negative	Negative	0.5	Negative

### BBI Cytomegalovirus IgG Performance Panel:

Cytomegalovirus performance panel (PTC202(M)) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium CMV IgG EIA test.

*BBI CMV Performance Panel Results for Orgenium's CMV IgG kit*

Sample ID	AbbottAxSym CMV IgG Lot: 41401M100	BioMerieux VIDAS CMV-IgG Lot: 808484301	Orgenium CMV IgG Lot: CMVG070813 Ratio (S/Co)	Orgenium CMV IgG interpretation
2	Positive	Positive	1.9	Positive
4	Positive	Positive	1.9	Positive
5	Positive	Positive	2.1	Positive
7	Positive	Positive	1.1	Positive
9	Positive	Positive	3.0	Positive
10	Positive	Positive	2.6	Positive
13	Positive	Positive	2.8	Positive
15	Positive	Positive	1.9	Positive
22	Positive	Positive	2.4	Positive
24	Negative	Negative	0.3	Negative
25	Positive	Positive	1.9	Positive

### BBI Cytomegalovirus IgM Performance Panel

Cytomegalovirus performance panel (PTC202(M)) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium CMV IgM EIA test

*BBI CMV Performance Panel Results for Orgenium's CMV IgM kit*

Sample ID	Abbot IMx CMV IgM Lot: 44423M100	BioMerieux VIDAS CMV-IgM Lot: 808484601	Orgenium CMV IgM Lot: CMVM070813 Ratio (S/Co)	Orgenium CMV- IgM Interpretation
2	Negative	Negative	0.3	Negative
4	Negative	Negative	0.8	Negative
5	Positive	Positive	1.4	Positive
7	Negative	Negative	0.5	Negative
9	Negative	Negative	0.3	Negative
10	Negative	Negative	0.3	Negative
13	Positive	Positive	2.0	Positive
15	Negative	Negative	0.3	Negative
22	Positive	Positive	5.7	Positive
24	Negative	Negative	0.2	Negative
25	Negative	Negative	0.2	Negative

### BBI HSV 1+2 IgG Performance Panel

Herpes Simplex Virus 1+2 performance panel (PTH201) of FDA regulated Boston Biomedica Inc. (BBI), Milford, MA, USA, was also evaluated using Orgenium HSV1+2 IgG EIA test.

*BBI HSV1+2 Performance Panel Results for Orgenium's HSV1+2 IgG kit*

Sample ID	BBI HSV-1 & HSV-2 IgG EIA test Results	Orgenium HSV1+2 IgG Lot: HSV12G070813 Ratio (S/Co)	Orgenium Interpretation
1	HSV-1 & HSV-2 Positive	5.53	Positive
2	HSV-1 & HSV-2 Positive	5.68	Positive
3	HSV-1 & HSV-2 Positive	1.00	Positive
4	HSV-1 & HSV-2 Positive	6.69	Positive
5	HSV-1 Positive HSV-2 Negative	5.09	Positive
6	HSV-1 Negative HSV-2 Positive	1.47	Positive
7	HSV-1 Negative HSV-2 Positive	1.00	Positive
8	HSV-1 & HSV-2 Positive	6.72	Positive
9	HSV-1 & HSV-2 Positive	7.91	Positive
10	Negative	0.48	Negative
11	HSV-1 & HSV-2 Positive	3.64	Positive
12	HSV-1 Uncertain HSV-2 Positive	0.94	Uncertain
13	HSV-1 & HSV-2 Positive	3.96	Positive
14	Negative	0.50	Negative
15	HSV-1 & HSV-2 Positive	5.38	Positive
16	HSV-1 & HSV-2 Positive	2.42	Positive
17	HSV-1 & HSV-2 Positive	9.53	Positive
18	HSV-1 & HSV-2 Positive	2.31	Positive
19	Negative	0.65	Negative
20	Negative	0.56	Negative
21	HSV-1 Positive & HSV-2 Uncertain	4.94	Positive
22	HSV-1 & HSV-2 Positive	6.86	Positive
23	HSV-1 & HSV-2 Positive	4.69	Positive
24	HSV-1 & HSV-2 Positive	2.72	Positive
25	HSV-1 & HSV-2 Positive	6.28	Positive



## OTHER INFECTIOUS DISEASE PARAMETERS

The other Infectious Disease ELISA kits in the Clinikit range offer semi quantitative and qualitative tests for the most common community-acquired viral and Mycoplasma pneumoniae infections.

**Other**  
*Infectious Disease  
 Parameters*

## Other Infectious Disease test parameters

Catalogue Number	Product
ADN3161G	Adenovirus IgG
ADN3162M	Adenovirus IgM
COX3121G	Coxsackie virus IgG
COX3122M	Coxsackie virus IgM
ECH3221G	Echovirus IgG
ECH3222M	Echovirus IgM
ENT3131G	Enterovirus IgG
ENT3132M	Enterovirus IgM
EBVC3231G	Epstein Barr Virus IgM – VCA
EBVC3232M	Epstein Barr Virus IgM – VCA
INA3171G	Influenza A IgG
INA3172M	Influenza A IgM
INB3181G	Influenza B IgG
INB3182M	Influenza B IgM
RBO3421G	Measles (rubeola) IgG
RBO3422M	Measles (rubeola) IgM
MMP3411G	Mumps IgG
MMP3412M	Mumps IgM
MYC3211G	Mycoplasma pneumoniae IgG
MYC3212M	Mycoplasma pneumoniae IgM
PIN3191G	Parainfluenza 1 IgG
PIN3192M	Parainfluenza 1 IgM
PIN3291G	Parainfluenza 2 IgG
PIN3292M	Parainfluenza 2 IgM
PIN3393G	Parainfluenza 3 IgG
PIN3394M	Parainfluenza 3 IgM
ROT3141G	Rotavirus IgG
ROT3142M	Rotavirus IgM
RSV3201G	Respiratory Syncytial virus (RSV) IgG
RSV3202M	Respiratory Syncytial virus (RSV) IgM
VRZ3110G	Varicella Zoster IgG
VRZ3111M	Varicella Zoster IgM

Clinikit Infectious Disease ELISA kit specifications	
Kit Size	96 Tests
Sample Dilution	1:101
Incubation times	30 + 30 + 15 minutes
Quality Control	Positive and Negative controls
Reading	at 450nm

## Technical specifications for Clinikit TORCH ELISA kits

Product Code	Product	Sensitivity	Specificity	Accuracy	Intra-Assay-Precision	Inter-Assay-Precision	Inter-Lot-Precision
TXG3034G	Toxoplasma gondii IgG	95 %	100 %	96 %	2 - 5 %	2-6 %	5-10 %
TXG3035M	Toxoplasma gondii IgM	100 %	96,5 %	96,8 %	4-7 %	2-6 %	4-10 %
RUB3044G	Rubella Virus IgG	100 %	100 %	100 %	2 - 8 %	4-11 %	2-13 %
RUB3045M	Rubella Virus IgM	97 %	96 %	97 %	4 - 8 %	2-9 %	3-11 %
CMV3054G	Cytomegalovirus IgG	100 %	100 %	100 %	2 - 7 %	2-8 %	3-11 %
CMV3055M	Cytomegalovirus IgM	90 %	100 %	95 %	7 - 9 %	5-8 %	3-8 %
HSV3014G	Herpes Simplex Virus-1 IgG	97,8 %	95,2 %	96,5 %	3 - 7 %	6-12 %	3-9 %
HSV3015M	Herpes Simplex Virus-1 IgM	93,7 %	95,2 %	94,9 %	6 - 13 %	5-8 %	10-14 %
HSV3024G	Herpes Simplex Virus-2 IgG	96,4 %	96,6 %	96,5 %	3 - 10 %	3-9 %	7-11 %
HSV3025M	Herpes Simplex Virus-2 IgM	86,9 %	90 %	87,5 %	4 - 10 %	4-7 %	3-9 %
HSV3012G	Herpes Simplex Virus 1+2 IgG	95 %	93 %	94,2 %	6 - 10 %	5-12 %	3-10 %
HSV3022M	Herpes Simplex Virus 1+2 IgM	92,5 %	93 %	93 %	6 - 13 %	5-8 %	10-14 %

### Interference

No interferences to bilirubin up to 0.3 mg/mL, hemoglobin up to 8.0 mg/mL and triglycerides up to 5.0 mg/mL

## Technical specifications for Other Infectious Disease Clinikit ELISAs

Product Code	Product	Sensitivity	Specificity	Accuracy	Intra-Assay-Precision	Inter-Assay-Precision	Inter-Lot-Precision
ADN3161G	Adenovirus IgG	95,5 %	93,4 %	94,5 %	3 - 9 %	2-5 %	3 - 8 %
ADN3162M	Adenovirus IgM	93,3 %	95,7 %	95,2 %	3-9 %	2-5 %	3 - 8 %
COX3121G	Coxsackie B5 Virus IgG	90 %	94 %	93 %	2-6 %	4-10 %	5 - 9 %
COX3122M	Coxsackie B5 Virus IgM	90 %	91 %	91,8 %	4-9 %	2-8 %	4-10 %
ECH3221G	Echovirus IgG	90 %	91 %	90,3 %	2-8 %	4-11 %	2-13 %
ECH3222M	Echovirus IgM	88,2 %	91 %	90,1 %	4-8 %	4-7 %	3-10 %
ENT3131G	Enterovirus IgG	91,6 %	94,8 %	95 %	2-9 %	2-8 %	3-8 %
ENT3132M	Enterovirus IgM	91,6 %	93,8 %	93,5 %	3-9 %	3-8 %	3-8 %
EBVC3231G	Epstein Barr Virus VCA IgG	94,5 %	90 %	93,7 %	4-10 %	3-8 %	3-12 %
EBVC3232M	Epstein Barr Virus VCA IgM	92,8 %	94,1 %	93,7 %	2-7 %	3-8 %	4-10 %
INA3171G	Influenza A IgG	90 %	89,2 %	89,6 %	2-7 %	3-7 %	4-9 %
INA3172M	Influenza A IgM	93 %	91,8 %	92 %	3-8 %	2-10 %	4-10 %
INB3181G	Influenza B IgG	90 %	92,3 %	91 %	3-6 %	4-8 %	5-11 %
INB3182M	Influenza B IgM	90 %	93,3 %	92,7 %	3-10 %	5-11 %	4-8 %
RBO3421G	Measles (rubeola) IgG	91 %	92 %	91,6 %	4-11 %	3-9 %	3-7 %
RBO3422M	Measles (rubeola) IgM	93 %	90,6 %	93 %	4-9 %	3-8 %	6-10 %
MMP3411G	Mumps IgG	93 %	95 %	95 %	3-8 %	4-7 %	3-12 %
MMP3412M	Mumps IgM	95,6 %	93 %	95 %	3-8 %	4-7 %	3-12 %
MYC3211G	Mycoplasma pneumoniae IgG	90,6 %	95,4 %	91 %	4-9 %	5-12 %	4-10 %
MYC3212M	Mycoplasma pneumoniae IgM	91,4 %	98 %	95 %	5-9 %	4-10 %	8-11 %
PIN3191G	Parainfluenza 1 IgG	92,8 %	90,6 %	90 %	5-8 %	4-7 %	8-10 %
PIN3192M	Parainfluenza 1 IgM	92,8 %	93,4 %	93 %	5-10 %	4-12 %	3-10 %
PIN3291G	Parainfluenza 2 IgG	93 %	94 %	92,5 %	4-9 %	5-8 %	4-10 %
PIN3292M	Parainfluenza 2 IgM	93,4 %	90,4 %	94 %	5-10 %	7-9 %	3-12 %
PIN3393G	Parainfluenza 3 IgG	92 %	93 %	92 %	6-8 %	7-10 %	4 %-12 %
PIN3394M	Parainfluenza 3 IgM	91,5 %	93 %	90,6 %	5-9 %	4-9 %	6-10 %
ROT3141G	Rotavirus IgG	95,5 %	93,5 %	94,7 %	6 -9 %	3 - 10 %	6 - 10 %
ROT3142M	Rotavirus IgM	91,6 %	93,4 %	93,1 %	4 - 8 %	3 - 7 %	3 - 9 %
RSV3201G	Respiratory Syncytial virus (RSV) IgG	95 %	94 %	94,5 %	5-10 %	5-8 %	3-10 %
RSV3202M	Respiratory Syncytial virus (RSV) IgM	92 %	93 %	92 %	4-9 %	4-8 %	5-10 %
VRZ3110G	Varicella Zoster IgG	91 %	97 %	95 %	5 - 8 %	5- 8 %	8 - 10 %
VRZ3111M	Varicella Zoster IgM	97 %	91 %	95 %	4 - 8 %	3 - 8 %	5-10 %

### Interference

No interferences to bilirubin up to 0.3 mg/mL, hemoglobin up to 8.0 mg/mL and triglycerides up to 5.0 mg/mL



# AviBion

ELISA

## AviBion Quantitative Research Kits

Orgenium's quantitative AviBion ELISA research kits are designed for highly accurate quantitative determination of **cytokines, hormones and growth factors** in serum, plasma, urine, cell culture supernatant, cell extracts and other biological samples

**ORGENIUM AVIBION KITS OFFER SUPERIOR QUALITIES FOR RESEARCHERS WORLDWIDE:**

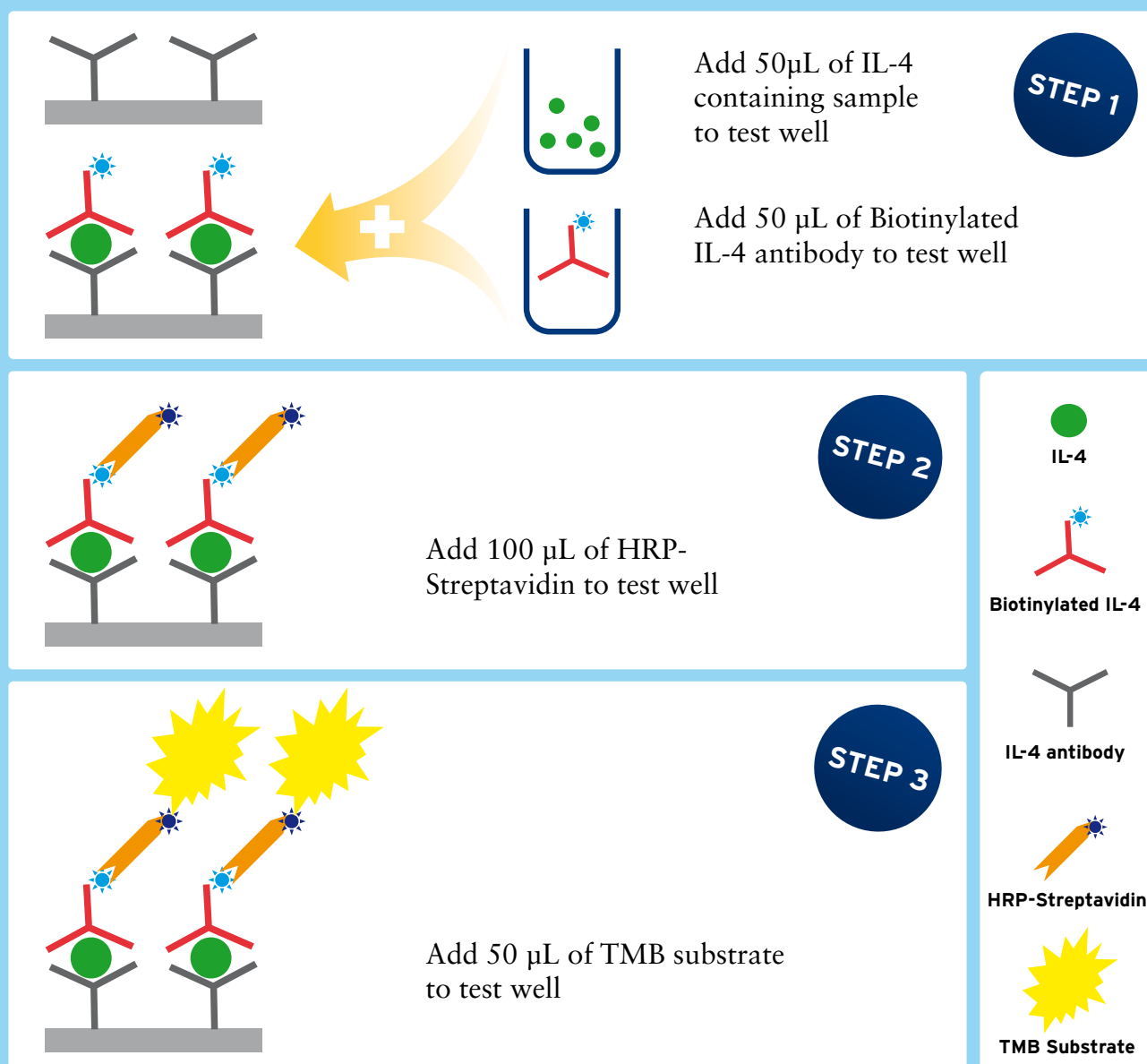
- Extremely short testing time:  
Approximately **2.5 hours**
- User-friendly test format
- Ready-to-use reagents including standards
- Reduced risk of user errors
- Coloured reagents
- Text-coded plates
- Stability and long shelf-life
- Premium packaging



## AviBion quantitative ELISA test parameters

Catalogue Number	Parameter	Sensitivity	Assay Range
IL01a01	Human IL-1 $\alpha$ ELISA	<3 pg/ml	15.6-1000 pg/ml
IL01b02	Human IL-1 $\beta$ ELISA	<3 pg/ml	15.6-500 pg/ml
IL02001	Human IL-2 ELISA	<2 pg/ml	7.8-500 pg/ml
IL04001	Human IL-4 ELISA	<3 pg/ml	7.8-250 pg/ml
IL05001	Human IL-5 ELISA	<3 pg/ml	15.6-1000 pg/ml
IL06001	Human IL-6 ELISA	<2 pg/ml	15.6-500 pg/ml
IL07001	Human IL-7 ELISA	<7.8 pg/ml	15.6-500 pg/ml
IL08001	Human IL-8 ELISA	<2 pg/ml	15.6-250 pg/ml
IL10001	Human IL-10 ELISA	<2 pg/ml	7.8-500 pg/ml
IL12001	Human IL-12 ELISA	<2 pg/ml	7.8-500 pg/ml
IL13001	Human IL-13 ELISA	<2 pg/ml	7.8-125 pg/ml
IL15001	Human IL-15 ELISA	<2 pg/ml	7.8-250 pg/ml
TNFa021	Human TNF- $\alpha$ ELISA	<2 pg/ml	15.6-1000 pg/ml
TARC022	Human TARC ELISA	<3 pg/ml	7.8-500 pg/ml
VEGF023	Human VEGF ELISA	<2 ng/ml	3.12-100 ng/ml
Lept024	Human Leptin ELISA	<1 ng/ml	0.048-12.5 ng/ml
Adip025	Human Adiponectin ELISA	<3 ng/ml	3.12-100 ng/ml

## Test Principle





## Comparison table

Organium's AviBion ELISA kits	Most Competitors' ELISA kits
<p><b>READY TO USE REAGENTS</b></p> <ul style="list-style-type: none"> <li>• No preparation of reagents required</li> <li>• Minimum risk of user mistake due to user friendly test design</li> <li>• Minimized risk of reagent contamination</li> <li>• Long shelf life of kit components once opened</li> </ul>	<p><b>MOST OF THE KIT REAGENTS REQUIRE DISSOLVING AND PREDILUTION</b></p> <ul style="list-style-type: none"> <li>• Preparation takes time, requires dilutions and extensive pipetting</li> <li>• User mistakes more likely</li> <li>• Hard to track potential mistakes due to many dilutions and the use of several pipettes</li> <li>• Short kit shelf life after opening</li> </ul>
<p><b>EXTREMELY SHORT TESTING TIME</b></p> <ul style="list-style-type: none"> <li>• Testing time is around <b>2.5 hours</b></li> <li>• The user can run and analyze consecutive tests in a single day</li> </ul>	<p><b>TIME-CONSUMING TEST PROTOCOL</b></p> <ul style="list-style-type: none"> <li>• Incubations take over <b>5 hours</b></li> <li>• Allows testing only once in a single day, analysis the next day</li> </ul>
<p><b>COLOURED REAGENTS</b></p> <ul style="list-style-type: none"> <li>• Pipetting is made easier</li> <li>• Current stage of test is visible at a glance</li> <li>• No risk of confusing the reagents</li> </ul>	<p><b>REAGENTS ARE COLORLESS</b></p> <ul style="list-style-type: none"> <li>• Constant need to verify which wells already contain reagents when pipetting</li> <li>• Hard to differentiate between reagents and test steps</li> </ul>
<p><b>TEXT-CODED PLATES</b></p> <ul style="list-style-type: none"> <li>• Allows the user to differentiate between separate products</li> </ul>	<p><b>BLANK PLATES</b></p> <ul style="list-style-type: none"> <li>• Impossible to differentiate between the kit's coated plate and other blank plates in the lab</li> <li>• Risk of mixing plates from different kits</li> </ul>
<p><b>DURABLE HIGH QUALITY PACKAGING</b></p> <ul style="list-style-type: none"> <li>• Safe and stable storage of kits</li> </ul>	<p><b>LOWER QUALITY PACKAGING MATERIALS USED</b></p> <ul style="list-style-type: none"> <li>• Subject to degradation, leakage and deterioration of product</li> </ul>

## User testimonials

“Working on the expression pattern of pro-inflammatory cytokines in asthma and COPD (chronic obstructive pulmonary disease) we rely on quantitative ELISA kits. In these studies, we have used the ELISA kits of Orgenium for IL-1beta, IL-4, IL-6, IL-8 and TNF-alpha. The instructions are clearly written and the kits are easy to use and there is no delay in preparing buffers or standards as they are ready to use solutions. This benefits in saving preparation time, and it reduces mistakes caused by e.g. pipetting errors. The reproducibility of both standard curve and sample values is very high and reliable.

In addition, the kits' shelf life, even after opening, is significantly extended compared to similar products and kits, which were only partly used, can be kept for other experiments. In summary, the kits are very cost efficient and easy to handle.

We will definitively use Orgenium ELISA kits for our future research.”

*Prof. Dr. Michael Roth  
Molecular Medicine,  
The Woolcock Institute of  
Medical Research, PO Box M77,  
Sydney, NSW-2050, Australia*

“I think your ELISA kits are great! They are reliable, you have plenty of reagents and the best thing about them is that you can finish the ELISA in a reasonable time. Compared to the ELISA kits I used before, yours is very convenient and quick since all the reagents are already ready to use, so you don't have to dilute anything.”

*Petra Seidel, PhD Student  
Institute for Pharmaceutical  
Sciences, Department of  
Pharmaceutical Biology and  
Biotechnology, University of  
Freiburg, Freiburg, Germany*

“As a molecular biologist using ELISA for most of my experiments, I am really happy with the quality of the Orgenium ELISA Kits. I often run Orgenium's IL-6 or IL-8 ELISA, and they perform best in specificity, sensitivity and reproducibility compared to other kits available on the market. The use of colored reagents makes them user-friendly and prevents pipetting errors. Also in the future, Orgenium ELISA kits will be my first choice.”

*Nicola Miglino,  
Research Assistant  
University Hospital Basel,  
Department of Research,  
Basel, Switzerland.*

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## Orgenium starts strategic partnership with The Binding Site Ltd, UK to sell ELISA Infectious Disease Assays with automated devices

Orgenium Laboratories have recently signed a distribution agreement with The Binding Site Ltd, enabling them to sell Orgenium's range of Infectious Disease assays in UK, France, Germany and Spain.

This partnership brings together two companies committed to providing quality products and good customer support vital in today's diagnostic industry.

It will enable The Binding Site to offer an increased product portfolio of ELISA assays to their customers and fits in well with Orgenium's strategy to offer an extensive product range on to the Instrumentation Platforms.

The Binding Site Ltd is a British based company and has become a global supplier of high quality immunodiagnostic kits, reagents and Instrumentation to research

and clinical laboratories. The Binding Site Ltd has its headquarters in Birmingham, and there are also offices in the U.S.A. Germany, France and Spain, with a network of Distributors in over 60 countries.

The Binding Site is now able to offer Instrumentation Platforms to small, mid and high volume laboratories with Orgenium products.



### ORGENIUM'S INFECTIOUS DISEASE ELISA KITS

- Easy adaptation to automated devices
- Simple and unified test protocol
- Interchangeable reagents
- High sensitivity and specificity

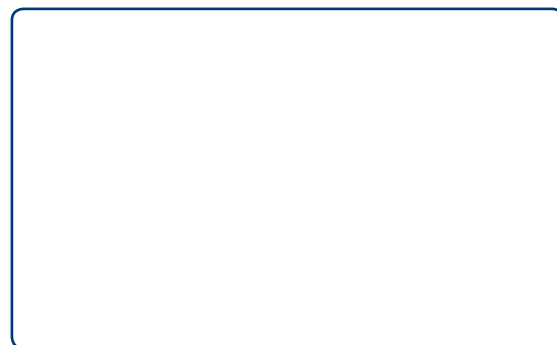


### BINDING SITE'S DS2 TWO PLATE ELISA PROCESSOR

- Binding Site's latest Instrumentation Offering
- Ideal for small to mid volume laboratories



Distributed by:



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