

# Emerging Infectious Diseases

World's most extensive product portfolio



- Extensive spectrum of parameters encompassing viruses and parasites
- Sensitive and specific screening tests in IIFT, ELISA or immunoblot format
- Carefully selected antigens, many of which are produced in-house
- Standardised incubation conditions for each method
- Flexible automation solutions for different throughput requirements



















# EUROIMMUN IFA BIOCHIP Mosaics – Where our expertise meets your needs

## Multiplexing method enables unlimited combinations of different substrates for customised BIOCHIP mosaics



When multiple BIOCHIPS coated with different substrates are arranged on one reaction field, antibodies against various antigens can be investigated simultaneously. For instance, comprehensive syndrome- or region-specific antibody profiles can be easily established.


**Available EUROIMMUN BIOCHIPs\* and examples of BIOCHIP Mosaics**

### VIRUSES


				
TBEV	WNV	JEV	YFV	DENV 1 – 4
				
ZIKV	CHIKV	SFSV	SFNV	TOSV
				
CYPV	HTNV	PUUV	SEOV	DOBV
				
SAAV	SNV	ANDV		

### PARASITES

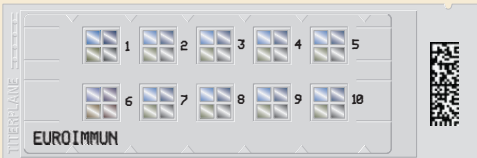
	
<i>Leishmania donovani</i>	<i>Schistosoma</i>



**Flavivirus Profile 2 (IgG or IgM)**  
TBEV, WNV, JEV, YFV, DENV 1 – 4; FI 2661-2 G/M



**Arbovirus Fever Mosaic 2 (IgG or IgM)**  
ZIKV, CHIKV, DENV 1 – 4; FI 2668-1 G/M



**Sandfly Fever Virus Mosaic 1 (IgG or IgM)**  
SFSV, SFNV, TOSV, CYPV; FI 277a-1 G/M

\* Information on further BIOCHIP Mosaics can be found at: [www.euroimmun.com](http://www.euroimmun.com)

## EUROIMMUN IFA automation concepts

### EUROPattern Microscope

- Fully automated image recording for on-screen diagnostics for a variety of substrates
- Extremely fast system: up to 500 reaction fields in less than 2 hours (13 seconds per image)
- Automated registration of slides by DataMatrix codes for error-free traceability



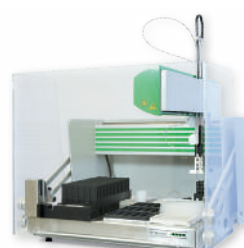
### EUROLabWorkstation IFA

- Fully automated processing of indirect immunofluorescence assays: up to 750 reaction fields per run
- The highest throughput system on the market: >200 tests per hour
- Automatic mounting of slides



### IF Sprinter and Sprinter XL

- Fast and reliable IFA automation for up to 96 or 240 samples
- Up to 15 or 30 slides
- Optionally also for ELISA automation



IF Sprinter



Sprinter XL

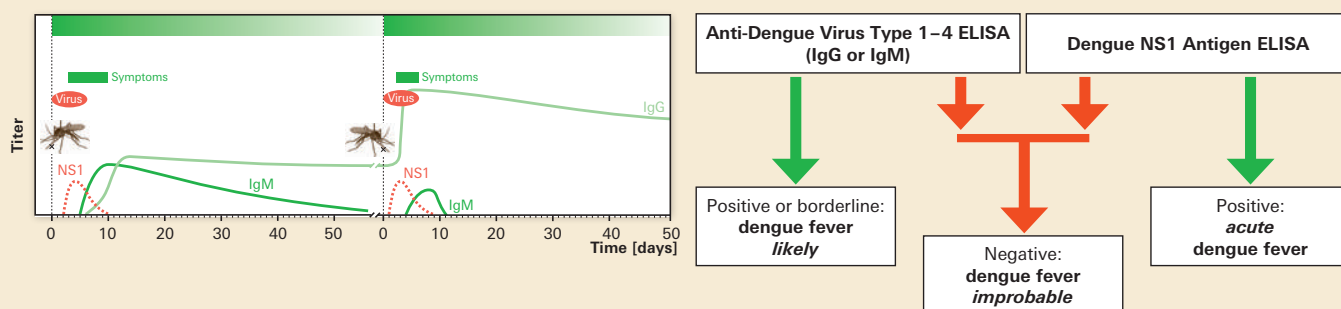
# EUROIMMUN ELISA Technology – Quantitative and precise evaluation

Antibody and antigen detection using ELISA provides quantitative results – ideally suited for monitoring disease courses

- Purified native and recombinant antigens for highest sensitivity and specificity
- Optimised for fully automated processing and simple handling:
  - Break-off microplate wells
  - Ready-to-use reagents (no diluting necessary)
  - Colour-coded reagents, largely exchangeable between different lots as well as between different parameters
  - Standardised incubation conditions for the majority of parameters
  - RF absorbent included in sample buffer (IgM tests) – no extra costs

EUROIMMUN offers a broad variety of ELISA kits for different strategies for the diagnosis of emerging infectious diseases

## Example: 2-step diagnostic strategy of primary and secondary dengue virus infections<sup>1,2</sup>



<sup>1</sup> For most reliable results the parallel performance of antigen and antibody detection is recommended.

<sup>2</sup> Confirmation, differential diagnosis and investigation of cross reactions by EUROIMMUN BIOCHIP Mosaics e.g. Dengue Virus Mosaic (types 1–4), Flavivirus Mosaic 1 & 2 and Arbovirus Fever Mosaic 1 & 2 (for detailed information see page 2).

## EUROIMMUN ELISA automation concepts

### EUROLabWorkstation ELISA

- The highest throughput system on the market: >200 tests per hour
- Automatic identification – 100% traceability: patient samples, reagents, dilution and ELISA plates
- Up to 15 microplates per run



### EUROIMMUN Analyzer I and EUROIMMUN Analyzer I-2P

- Fully automated ELISA processing
- Quick loading and time-efficient processing of up to 180 samples
- Up to 7 (Analyzer I) or 3 (Analyzer I-2P) microplates



EUROIMMUN Analyzer I



EUROIMMUN Analyzer I-2P



## Products

Pathogen	ELISA	IFA BIOCHIPs
Chikungunya virus (CHIKV)	■	■
Crimean-Congo haemorrhagic fever virus (CCHFV)	■	
Dengue virus 1–4 (DENV)	■	■
<i>Echinococcus</i> <sup>1</sup>	■	
Hantavirus (HTNV, PUUV, SEOV, DOBV, SAAV, SNV, ANDV) <sup>1</sup>	■	■
Japanese encephalitis virus (JEV)	■	■
<i>Leishmania donovani</i>		■
Mayaro virus	■	
MERS coronavirus (MERS-CoV)	■	
<i>Plasmodium</i> (multispecies)	■	
Sandfly fever virus (SFSV, TOSV, SFSV, CYPV)	■ <sup>2</sup>	■
SARS coronavirus (SARS-CoV-2) <sup>1</sup>	■	
<i>Schistosoma</i>	■	■
<i>Strongyloides</i>	■	
TBE virus (TBEV)	■	■
<i>Toxocara canis</i> <sup>1</sup>	■	
<i>Trypanosoma cruzi</i>	■	
Usutu virus (USUV)	■	
West Nile virus (WNV)	■	■
Yellow fever virus (YFV)		■
Zika virus (ZIKV)	■	■

## Tests for research use only and not for in vitro diagnostics:

Pathogen	IFA BIOCHIPs
Barmah Forest virus (BFV) <sup>3</sup>	■
Bornavirus (BoDV)	■
Crimean-Congo haemorrhagic fever virus (CCHFV)	■
Eastern equine encephalitis virus (EEEV) <sup>4</sup>	■
La Crosse virus (LACV) <sup>4</sup>	■
Murray Valley encephalitis virus (MVEV) <sup>3</sup>	■
Rift Valley fever virus (RVFV)	■
Ross River virus (RRV) <sup>3</sup>	■
Sindbis virus (SINV)	■
St. Louis encephalitis virus (SLEV) <sup>4</sup>	■
Venezuelan equine encephalitis virus (VEEV)	■
Western equine encephalitis virus (WEEV) <sup>4</sup>	■

## Pipeline/Prototypes

Pathogen	IFA BIOCHIPs
Jamestown Canyon virus (JCV)	■
Kunjin virus (KUNV)	■
Lymphocytic choriomeningitis virus (LCMV)	■
Oropouche virus (OROV)	■
Usutu virus (USUV)	■

<sup>1</sup>immunoblot also available; <sup>2</sup>only Toscana virus available; <sup>3</sup>Arbovirus Mosaic Australia 2, not available as individual parameter; <sup>4</sup>Arbovirus Mosaic America 2, not available as individual parameter

Find out more at [www.euroimmun.com](http://www.euroimmun.com)  
or contact us directly: [www.euroimmun.com/contact](http://www.euroimmun.com/contact)



Regulatory status of the products must be verified for the user's individual jurisdiction. Please contact your country representative for product availability and information.