

Diagnosis of mosquito-borne infections from one single source

- RIDASCREEN® Zika Virus IgG capture and IgM μ -capture
- RIDASCREEN® Chikungunya Virus IgG capture and IgM μ -capture
- RIDASCREEN® Dengue Virus IgG and IgM μ -capture
- RIDASCREEN® Malaria Ab-Screening



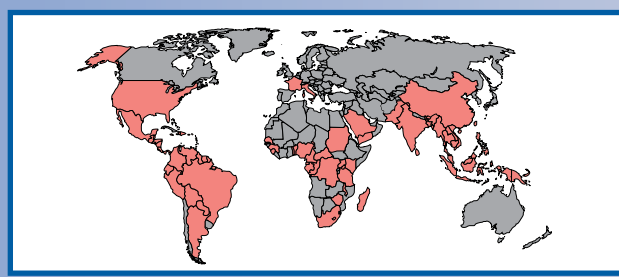
Mosquito-borne infections – an international threat

Mosquito-borne infections are flourishing worldwide with over one million deaths every year. Globalization of travel & trade and environmental changes show a strong impact on disease transmission which continuously increased in recent years.

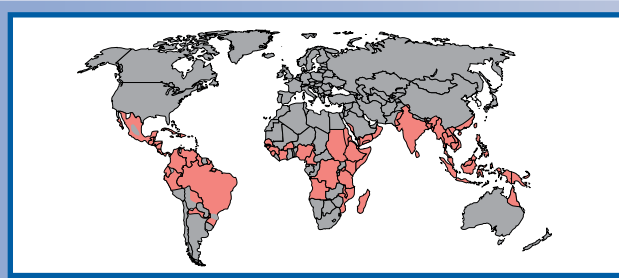
Since multiple mosquito-borne infections can show similar symptoms like febrile illness, muscle and joint pain laboratory testing is of high importance to confirm the etiology of disease and to introduce appropriate treatment.



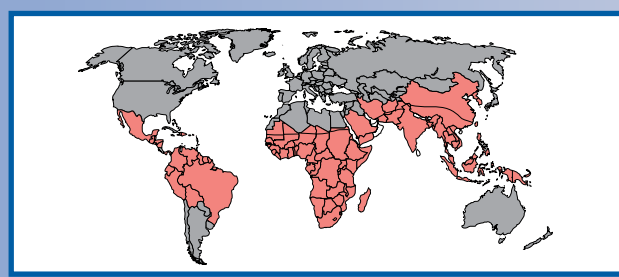
Zika is a viral disease and is primarily transmitted by infected mosquitoes of the genus *Aedes*. Usually, people infected with Zika virus show mild symptoms. However there is scientific evidence that Zika virus is a cause of microcephaly and Guillain-Barré syndrome demonstrating the need for a reliable and fast clinical diagnosis.



Chikungunya is a viral disease and is transmitted by infected mosquitoes of the genus *Aedes*. Transmission is not limited to Africa and Asia but occurred also in the Americas and even in Europe in recent years. Because the disease shares common clinical signs with dengue and can be misdiagnosed, differential diagnosis is essential for appropriate treatment.



Dengue is the most common arboviral disease and is transmitted by infected mosquitoes of the genus *Aedes*. About half of the world's population lives in risk areas resulting in estimated 390 million infections per year. Since no specific treatment is available, early detection and prompt supportive treatment lower fatality rates in severe dengue cases.



Malaria is a potentially life-threatening disease caused by infection with the parasite *Plasmodium* and is transmitted by a female *Anopheles* mosquito. Malaria counts as one of the world's greatest public health problems with estimated 400,000 deaths annually.

All product advantages at a glance

- RIDASCREEN® Zika Virus IgG capture and IgM μ -capture shows less than 5 % cross-reactivity to other Flaviviridae like DNV, CHIKV, WNV, YFV and TBEV
- RIDASCREEN® Chikungunya IgG capture and IgM μ -capture technique available for highly specific (100 %) detection of antibodies against Chikungunya virus
- RIDASCREEN® Dengue Virus IgG and IgM μ -capture ELISA cover the detection of antibodies against all 4 Dengue virus serotypes by use of a crossreactive DEN-2 virus preparation
- RIDASCREEN® Malaria-Ab Screening use recombinant proteins MSP1 and CSP of the two most prevalent species *P. falciparum* and *P. vivax*
- No absorbens of rheuma factors needed
- Validated on automated systems
- CE-approved tests

Performance data RIDASCREEN® Mosquito-borne infections

Excellent sensitivity and specificity > 95 % for all products enables reliable differential diagnosis of Mosquito-borne diseases.

	Zika virus	
	IgG	IgM
Sensitivity	96.0 %	96.0 %
Specificity	99.6 %	99.6 %

	Chikungunya virus	
	IgG	IgM
Sensitivity	98.7 %	100 %
Specificity	100 %	100 %

	Dengue virus	
	IgG	IgM
Sensitivity	100 %	100 %
Specificity	98.0 %	98.0 %

	Malaria AB
	IgG/IgM
Sensitivity	95.9 %
Specificity	97.5 %



Ordering information

Product	Description	Tests	Matrix	Art. No.
Enzyme immunoassays				
RIDASCREEN® Chikungunya Virus IgG capture	Specific detection of IgG or IgM antibodies against Chikungunya virus	96	Serum/plasma	K8121
RIDASCREEN® Chikungunya Virus IgM μ -capture		96	Serum/plasma	K8122
RIDASCREEN® Dengue Virus IgG	Specific detection of IgG or IgM antibodies against Dengue virus	96	Serum/plasma	K8221
RIDASCREEN® Dengue Virus IgM μ -capture		96	Serum/plasma	K8222
RIDASCREEN® Malaria Ab-Screening	Specific detection of IgG and IgM antibodies against Plasmodium	96	Serum/plasma	K8341
RIDASCREEN® Zika Virus IgG capture	Specific detection of IgG and IgM antibodies against Zika virus	96	Serum/plasma	K8421
RIDASCREEN® Zika Virus IgM μ -capture				K8431

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