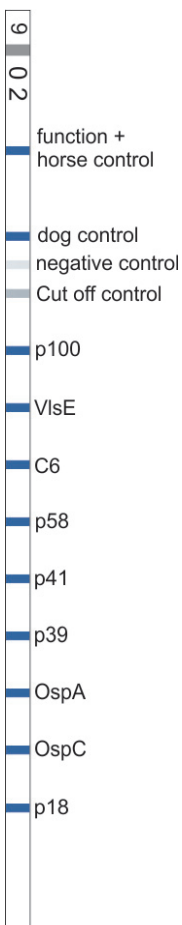


# MegaLINE® BORRELIA IgG

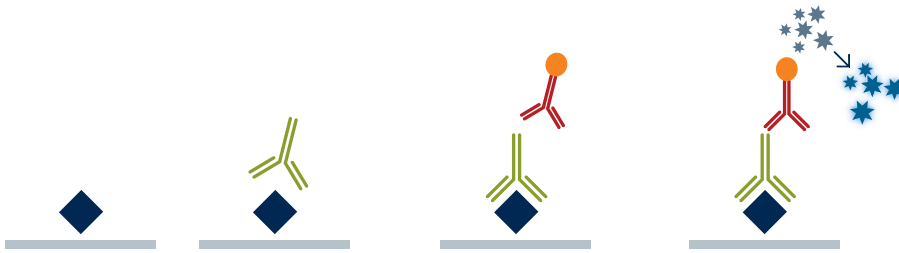
Veterinary test with laboratory precision

LINE immunoassay for the detection of IgG antibodies against *Borrelia burgdorferi* in dog or horse serum

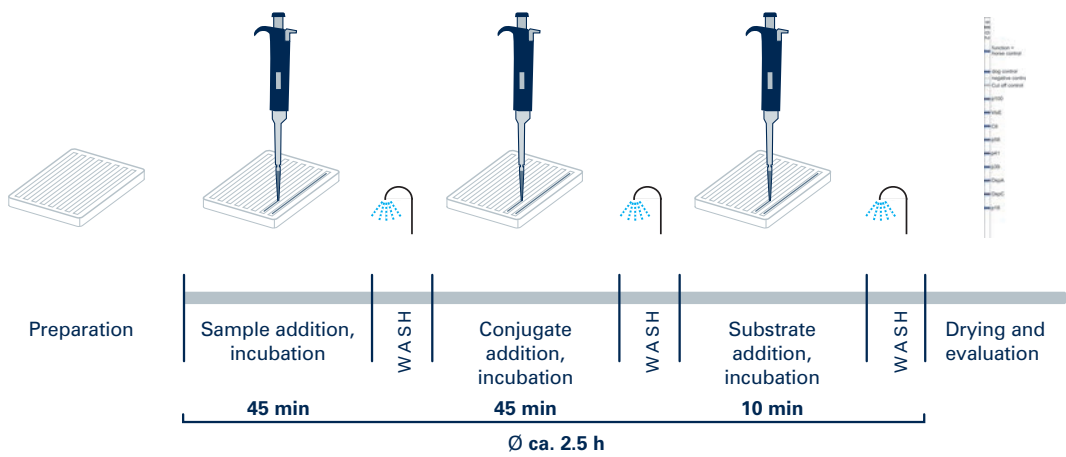


- Highly specific: Borrelia specific recombinant antigens (including C6 and VlsE)
- Routine and confirmation diagnostics
- Mix conjugate: Parallel analysis of dog and horse sera
- Integrated Cut off and function control
- Visual or software supported evaluation
- Dog: Sensitivity 85,2 % & Specificity 90,4 %  
Horse: Sensitivity 100 % & Specificity 87,0 %
- Format: 20 tests or 12×20 tests; ready to use

## Test principle



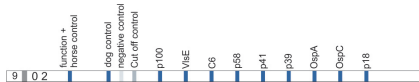
## Test procedure



## Test evaluation



### Visual



Comparison and evaluation of the bands  
 ↩ reference strip



Software supported evaluation  
**MegaLINE® SCAN**



+



### 1. Create Template

- Enter sample number / load sample list
- Print

### 2. Fix LINE immunoassay strips on Template

9 0 2

DIAGNOSTIK MEGACOR MegaLINE® BORRELIA IgG

MegaLINE®scan Version 5.1.2T 5

Lot-No.: ML-B-001  
Date: 18.09.2018  
Performer: Lab  
Scan-ID: 0000001

Strip No.	Controls	Serum Sample	Name	p100	VtE	C6	p68	p41	p39	Cp3A	Cp3C	p18	Interpretation
1		1234											

### 3. Scanning and automatic evaluation

DIAGNOSTIK MEGACOR MegaLINE®BORRELIA IgG

MegaLINE®scan Version 5.1.2T 5

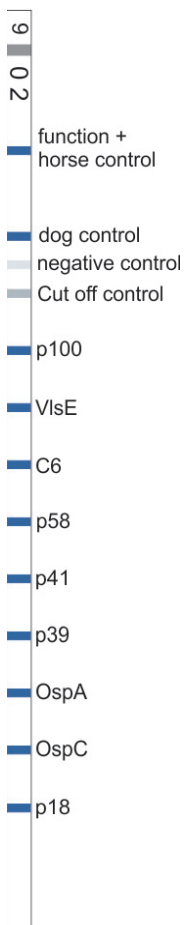
Lot-No.: 1324  
Date: 14.09.2018  
Performer: Lab  
Scan-ID: 1234

Strip No.	Type	controls	Serum Sample	Name	p100	VtE	C6	p68	p41	p39	Cp3A	Cp3C	p18	Interpretation
1	Dog				0,4	0,2	0,1	0,2	4,9					Dog:Impfung
2	Dog				14	6,0	4,6	6,2	0,7	3,4			10	Dog:Infektion

### 4. Save and print evaluation

- Single report
- Overall report

## New version with VlsE and C6



### Advantages of the C6 antibody detection

- Early marker of a Borrelia infection (21–35 days p. i.)  
positive C6 result → active Borrelia infection
- In untreated dogs detectable for at least 12 months
- Decrease of C6 antibody concentration 3–6 months after therapy start
- No cross reaction with vaccination antibodies (differentiation field infection and vaccination)
- No cross reaction with other spirochetes (e. g. *Leptospira*)

### Safe identification of infection by combined C6 and VlsE antibody detection

### Application of the MegaLINE® BORRELIA IgG

1. With suspicion for Borrelia infection: One-Step-Diagnostics (repeated **MegaLINE®** testing at an interval of 4 weeks)
2. Classical Two-Step-Diagnostics: Confirmation test for ELISA/IFAT/Rapid test

**MEGACOR Diagnostik GmbH**

Lochauer Str. 2 – 6912 Hörbranz – AUSTRIA

www.megacor.com –  info@megacor.at –  +43 5573 85400 –  +43 5573 85400-4