



Reagent

ReaScan[®] + Revolution

Welcome to the ReaScan Revolution

Proven lateral-flow technology and proprietary assay development techniques are integrated into the next generation ReaScan+ product family. Its ease of use combined with result traceability and LIS connectivity add confidence to the test results.



ReaScan[®]+ Diagnostic Products

The ReaScan Revolution

ReaScan+ reader is a compact rapid test device with an intuitive graphical user interface. It combines rapid and reliable results with ease of use. ReaScan+ reader offers the option of Immediate Reading or Incubation Mode (walk away) allowing flexible workflow in the laboratory.

Up to **300 results** are stored into the internal non-volatile memory

Touch screen with an easy to use User Interface supporting multiple languages

The **2D code** on ReaScan cassettes is automatically scanned to verify the correctness of the test

User and Patient ID, date and time and test kit batch number are stored with each result for **maximum traceability**



Results can be automatically transferred to the **LIS** or laboratory middleware

Optional **1D/2D barcode scanner** to automate the input of sample or patient ID

ReaScan+ C6 LYME IgG

Reagentia is a pioneer in rapid diagnostics for zoonotic diseases and lately focused on the diagnostic tests for Lyme Borreliosis and Lyme neuroborreliosis. ReaScan+ C6 LYME IgG is a lateral flow rapid test intended for detection of *Borrelia burgdorferi* specific IgG antibodies in human serum and cerebrospinal fluid (CSF). The test is intended for use as an aid for diagnosis of Lyme Disease.

ReaScan+ LYME IgM/IgG Combo

ReaScan+ LYME IgM/IgG Combo is a lateral flow rapid test intended for qualitative detection of *Borrelia burgdorferi* specific antibodies in human serum and cerebrospinal fluid (CSF). The test uses C6 (VlsE) and PepC10 (OspC) antigens in separated test lines. PepC10 generates an early IgM response and thus it is likely to react especially in acute Lyme disease.

| Product | Test performance | Packaging | Ref. number |
|-----------------------------|--|-----------|-------------|
| ReaScan+ C6 LYME IgG | Specificity 99 % (CSF), 95 % (serum) Sensitivity 97 % (CSF), 97 % (serum) | 10 tests | 114313 |
| ReaScan+ LYME IgM/IgG Combo | PPA 94,8 % (CSF, serum/plasma) NPA 95,6 % (CSF, serum/plasma) | 10 tests | 115103 |

The diagnostic sensitivity of the ReaScan+ C6 LYME IgG was determined by analyzing 108 paired serum and CSF samples from definite LNB patients. The diagnostic specificity of the ReaScan+ C6 LYME IgG was evaluated by analyzing paired serum and CSF samples from 104 non-LNB patients. EQV results counted as positive.

ReaScan+ LYME IgM/IgG Combo PPA and NPA values for 326 samples including 168 positive serum/plasma samples, 117 negative serum/plasma samples, 23 positive CSF samples and 18 negative CSF samples. EQV ReaScan+ LYME IgM/IgG Combo results were calculated as negatives.

ReaScan CXCL13

ReaScan CXCL13 is a lateral flow rapid test for semiquantitative determination of CXCL13 in human cerebrospinal fluid CSF, which helps clinicians in the treatment decision for suspected Lyme neuroborreliosis (LNB) patients.

| Product | Test performance | Packaging | Ref. number |
|----------------|--|-----------|-------------|
| ReaScan CXCL13 | Specificity 96 % Sensitivity 100 % with cut-off 250 pg/mL | 10 tests | 114253 |

Performance was obtained by comparing ReaScan CXCL13 with a widely used CXCL13 ELISA (Human CXCL13/BLC/BCA-1 Quantikine, R&D Systems, Minneapolis, USA) with 225 patient samples with a suspected diagnosis of LNB. Ref.: Pietikäinen A, et al, Point-of-care testing for CXCL13 in Lyme neuroborreliosis, *Diagn Microbiol Infect Dis* (2018), <https://doi.org/10.1016/j.diagmicrobio.2018.02.013>.

ReaScan TBE IgM

ReaScan TBE IgM is a lateral flow rapid test for qualitative detection of tick-borne encephalitis (TBE) virus specific IgM antibodies in human serum and cerebrospinal fluid (CSF).

| Product | Test performance | Packaging | Ref. number |
|-----------------|---|-----------|-------------|
| ReaScan TBE IgM | Specificity 100 % (CSF), 98 % (serum) Sensitivity 92 % (CSF), 99 % (serum) | 10 tests | 114106 |

Performance was evaluated with 172 serum samples from earlier diagnosed TBE patients and 141 TBEV IgM negative serum samples. See Albinsson B et al. 2020. Multi-laboratory evaluation of ReaScan TBE IgM rapid test, 2016 to 2017. *Euro Surveill.* 2020 Mar;25(12).

ReaScan Hantavirus

Reagentia is an undisputed leader in Hantavirus rapid diagnostics. Reagentia offers rapid tests intended for qualitative detection for Puumala virus and Dobrava or Hantaan virus specific IgM antibodies from human serum or plasma. Test results are used as an aid in the diagnosis of acute Hantavirus infections.

| Product | Test performance | Packaging | Ref. number |
|-----------------------------|-----------------------------------|-----------|-------------|
| ReaScan+ PUUMALA IgM | Specificity 99 % Sensitivity 98 % | 10 tests | 115105 |
| ReaScan DOBRAVA-HANTAAN IgM | Specificity 97 % Sensitivity 95 % | 10 tests | 114102 |

Performance of each test was obtained when evaluating test performance with panels of confirmed patient samples.

ReaScan[®]+

Technical data

Display: 4.3" Touch screen
Memory: 300 data sets
Connectivity: 3x USB ports, 1x LAN port
Power Supply: 12 Vdc (adapter included)
Size: 140 x 180 x 150 mm
Weight: 1150 g
Operating temperature: +15°C ... +35°C
One year limited warranty



Feature highlights

- Fast, accurate and objective results
- Traceability of test results
- Robust and maintenance free device
- Open and flexible connection to different LIS systems
- Intuitive Graphical User Interface
- Immediate reading mode or delayed reading after incubation time

Order information

| Product name | Ref. number |
|---|-------------|
| ReaScan [®] + reader | 105100 |
| ReaScan [®] + connect server | 105130 |
| Zebra DS2208 SR USB-Kit Black barcode scanner | 105110 |
| Dymo LabelWriter 450 printer | 105120 |