

NEW! One-Step-One-Tube:

RNA PCR complete reaction kits for the detection of Plant RNA-Viruses

Molecular methods gain more and more importance in plant pathogen diagnostics. The PCR technique allows specific and sensitive detection of plant pathogens, when serological reagents are not available or a second method is needed, as often demanded in testing schemes by Plant Protection Organisations, especially for quarantine pests.

Since many years, our customers rely on LOEWE® PCR sets and kits for the detection of phytoplasma and bacteria. **Now we go one step further by introducing RNA PCR complete reaction kits for the detection of RNA-viruses!**

During the this year our R&D team will focus on the expansion of this exciting new product line! Please check our web-site www.loewe-info.com for frequent updates!

- ✓ Specific and sensitive diagnostic method
- ✓ Ready-to-use, fast and cost effective
- ✓ Optimized and evaluated conditions for the amplification reaction
- ✓ Shipping at room temperature - no dry ice needed!
- ✓ Manufactured under certified quality management system conditions (ISO9001:2008)

Isolated virus RNA from infected plant

Kit Content	
Premix (Primers, dNTPs)	✓
DNA-Polymerase	✓
RT-RNA Polymerase	✓
10 × Reaction Buffer	✓
PCR-grade Water	✓
Dithiothreitol (DTT)	✓
Positive Control (DNA based)	✓
Negative Control (DNA based)	✓

3 hours

1. reverse transcription
2. cDNA amplification

Amplified cDNA

Detection in agarose gel electrophoresis

Test Principle:

The reaction is carried out in one tube starting with the reverse transcription of plant virus RNA and subsequent cDNA amplification. The resulting amplicon can be visualized on a standard agarose gel.

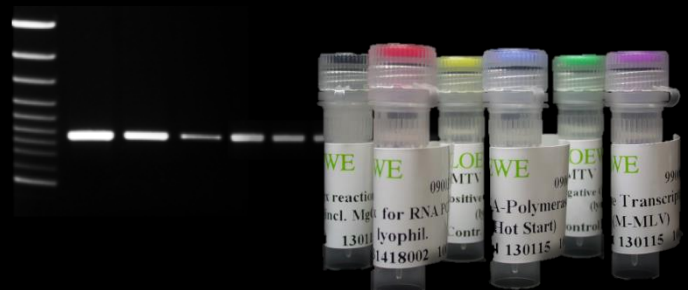
All reagents are evaluated by our in-house quality validation processes and each kit is provided with detailed instructions, product specifications, and analytical data. *(Please note that reagents for RNA isolation are not included with this kit.)*

For more information please contact us at
sales@loewe-info.com
or visit
www.loewe-info.com



Now available:

- ✓ **Potato Mop Top Virus RNA PCR complete reaction kit** (catalog no. 09003C/100)
- ✓ **Citrus Tristeza Virus RNA PCR complete reaction kit** (catalog no. 09099C/100)
- ✓ **Cucurbit Vein Yellowing Virus RNA PCR complete reaction kit** (catalog no. 09110C/100)



MOLECULAR DIAGNOSTICS