

**Molecular Diagnostics - PCR**

**➔ NEW PRODUCT!**

Tomato Leaf Curl New Delhi Virus was initially identified on tomato plants in India in 1994. A new strain termed ToLCNDV-ES has spread in several Mediterranean countries and causes severe yield loss in Solanaceae and Cucurbitaceae. Already in 2015 it was added to the EPPO Alert list.



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**Family:** Geminiviridae - Begomovirus

**Distribution:** Spain, Italy, Tunisia, Pakistan, Greece, Portugal

**Host range:** *Solanum lycopersicum*, several *Cucurbitaceae* species, *Physalis minima*

**Transmission:** *Bemisia tabaci*

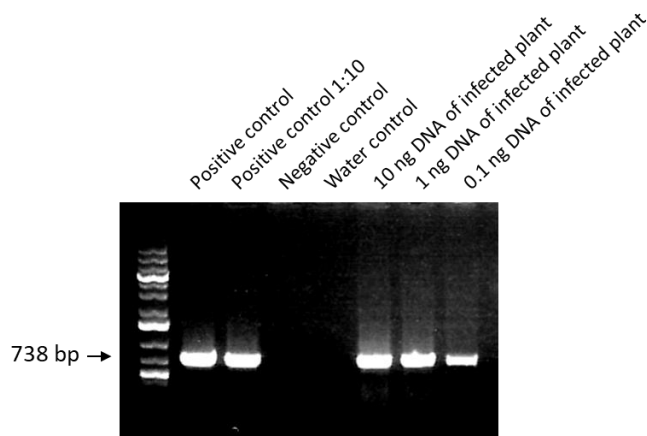
**Symptoms:** short internodes and curling, vein swelling and mosaic in young leaves, reduced size of fruit

**Further Literature:**

- Zubair, M. et al., 2020. *First Report of Tomato leaf curl New Delhi virus in Physalis minima in Pakistan*. Plant Disease 2020 104:6, 1878.
- Kil, E.-J. et al., 2020. *Seed Transmission of Tomato Leaf Curl New Delhi Virus from Zucchini Squash in Italy*. Plants 2020, 9, 563.
- Zaid.i SS. et al., 2017. *Tomato leaf curl New Delhi virus: a widespread bipartite begomovirus in the territory of monopartite begomoviruses*. Mol Plant Pathol. 2017; 18(7):901-911.

**Detection of ToLCNDV by LOEWE® DANN PCR complete reaction kits**

08180C/100	Tomato Leaf Curl New Delhi Virus PCR complete DNA PCR reaction kit	100 reactions
08180PC	Positive PCR Control Tomato Leaf Curl New Delhi Virus (DNA-based)	1 vial (10 reactions)
08180NC	Negative Control Tomato Leaf Curl New Delhi Virus (DNA-based)	1 vial (10 reactions)



**Profit from high specificity and sensitivity!**

No cross reaction detected with:  
*TYLCSV, TYLC, AbMV, SLCV, ACMV, BGMV*

*Solanum lycopersicum, Cucumis sativus, Cucurbita pepo ssp. pepo, Cucurbita maxima, Solanum tuberosum, Solanum melongena, Capsicum annum, Nicotiana benthamiana, Citrullus lanatus*

**For more information contact us or visit our web-site: [www.loewe.info.com](http://www.loewe.info.com)**