

Disease detection tests used by Visacane

1. Leaf scald / *Xanthomonas albilineans*

Isolation on semi-selective culture medium (stalk blot inoculation technique) with internodes of the lower third of the stalk

2. Ratoon stunt / *Leifsonia xyli* subsp. *xyli*

Tissue blot immuno assay with internodes of the lower third of the stalk

3. Grassy shoot and White leaf phytoplasmas

Nested-PCR with the top visible dewlap (F1) leaf

4. Yellow leaf / *Sugarcane yellow leaf virus* (SCYLV)

Tissue blot immuno assay and/or RT-PCR with the lower part of the F1 leaf midrib
Tissue blot immuno assay with the lower part of the stalk

5. Mosaic / *Sugarcane mosaic virus* (SCMV)

RT-PCR with the F1 leaf

6. Mosaic / *Sorghum mosaic virus* (SrMV)

RT-PCR with the F1 leaf

7. Streak mosaic / *Sugarcane streak mosaic virus* (SCSMV)

RT-PCR with the F1 leaf

8. Fiji leaf gall / *Fiji disease virus* (FDV)

RT-PCR with the F1 leaf

**9. Streak / *Sugarcane streak virus* (SSV) and related viral species
(*Sugarcane streak Egypt virus*, *Sugarcane streak Reunion virus*, *Maize streak virus*)**

PCR with the F1 leaf

10. Red leaf mottle / *Peanut clump virus* (PCV)

RT-PCR with the F1 leaf

11. Ramu stunt (unknown virus)

RT-PCR with the F1 leaf