

Detection of *Alicyclobacillus* within 96 hours

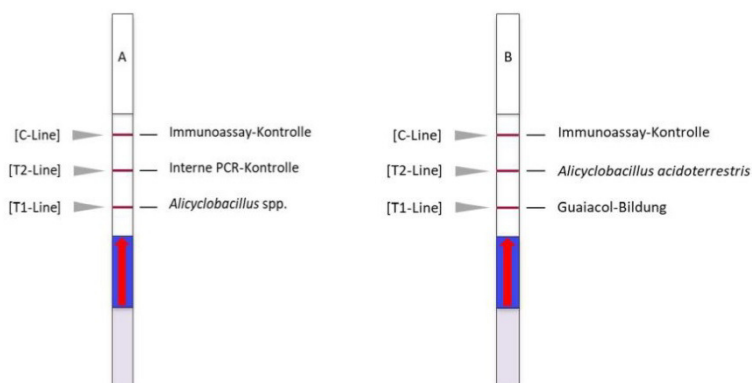
Currently, the method No. 12 - revision 2019 of the International Fruit and Vegetable Juice Association (IFU) is the accepted worldwide reference method for the detection of *Alicyclobacillus* spp.. However, the verification of *Alicyclobacillus* in the lab is relatively time-consuming. In case of enrichment the results are available at the earliest after 10 days, but usually after almost two weeks.

An alternative method is the Soleris® ACB-109 (Neogen Corporation) which offers **faster** results which are just as reliable. This has been verified by a validation according **ISO 16140-2:2016** (comparison of alternative against reference methods).

Via a two step enrichment of a 10g sample, *Alicyclobacillus* can be detected already within **two** to **four** days using the Soleris ACB-system. For this purpose the sample is enriched for 2 days in BAT bouillon according to IFU No. 12 and afterwards transferred to the Soleris-Vial. To eliminate false positive results a molecular-biological rapid PCR test by Milenia Biotec GmbH will be used, directly out of the Soleris-Vial.



Neogen, Soleris-Vial



Milenia Biotec test strips for PCR detection

Positive or negative - all important parameters for the evaluation of the sample are promptly provided:

<i>Alicyclobacillus</i> spp./10g	negative/positive
<i>Alicyclobacillus acidoterrestris</i> /10g	negative/positive
Potential guajacol formation	negative/positive

The Soleris ACB-system together with the PCR confirmation delivers the results quicker than the IFU No. 12 and is a reliable method for the qualitative verification of *Alicyclobacillus* spp. in fruit juices and concentrates.

In case of **urgent *Alicyclobacillus* investigations** we recommend the analysis by Soleris® ACB and Milenia® GenLine.

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