



# Detect Fusarium on Barley Within 10 Seconds

## Technical Specifications:

Dimensions	571 mm(h) x 423 mm (w) x 610 mm (d)
Sample size	90 mm Petri dish
Weight	15.8 kg
Power supply	90-260 VAC, 47-63 Hz
Power consumption	300 VA
Ambient temperature	5-40°C, Storage -5 – 50°C
Ambient humidity	20-90% RH non condensing
Stationary PC	Intel Core2 Duo or better 4 GB RAM Serial port (RS-232) FireWire IEEE 1394a 110-240 VAC with proper ground connection Dedicated graphics adapter (mainboard graphics should be avoided)
Software requirements	Windows XP with full windowsupdate Net Framework 3.5

## Contact:

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[www.videometer.com](http://www.videometer.com)

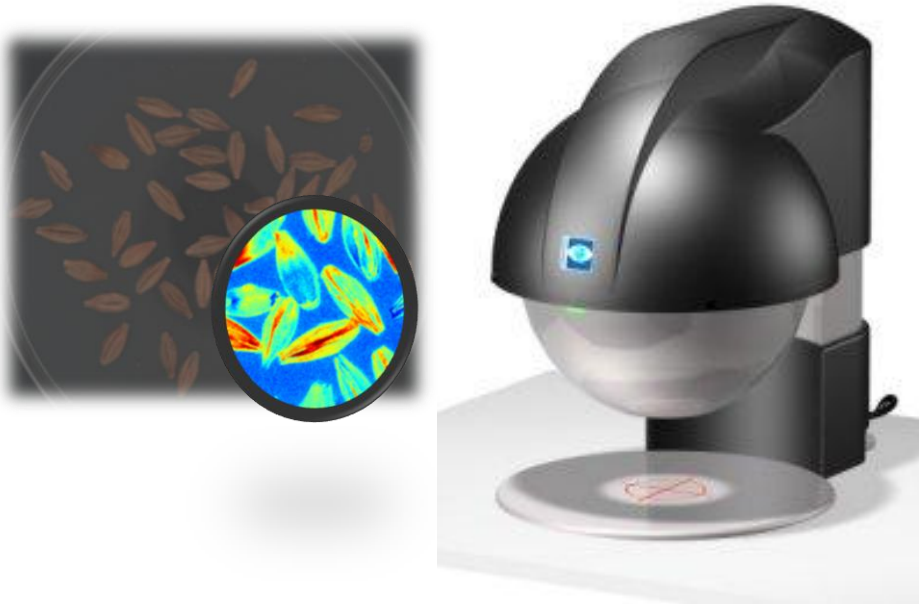
[mail@videometer.com](mailto:mail@videometer.com)



**The new validated method for  
barley: Rapid, non destructive,  
sample preparation, no  
consumables.**

# VideometerLab makes Fusarium visible!

VideometerLab is a new 10-sec-short, validated method designed for detection of Fusarium on barley.



## Easy-to-use

1. Place a representative barley sample in a Petri dish
2. Insert the Petri dish in the VideometerLab
3. Type in the sample number
4. Press F12 or capture image

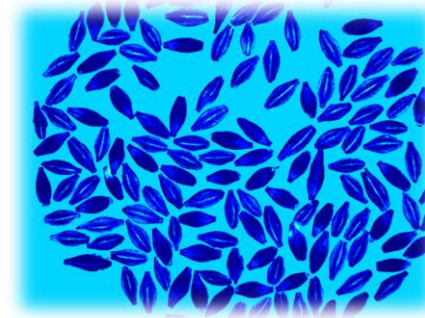
## The result will be shown within 10 seconds

VideometerLab is an effective screening tool for the industry to avoid quality and food safety risks from mycotoxins.

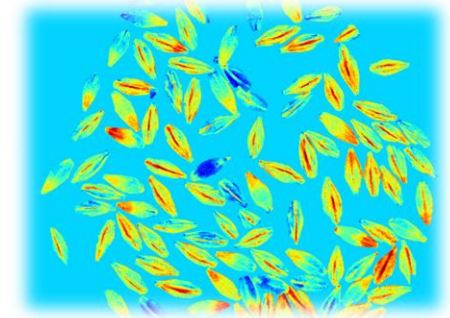
We are using a camera and illumination technology that makes Fusarium visible in areas which are invisible to the human eye. Despite its advanced technology – the set-up makes it easy for everyone to use.

The user interface shows the result directly in a pseudo-colored image – in which Fusarium is shown as orange and red areas. The Fusarium infection is also calculated as the area of infection. Images, as well as results, can be saved as documentation.

Pseudo-color images of barley:



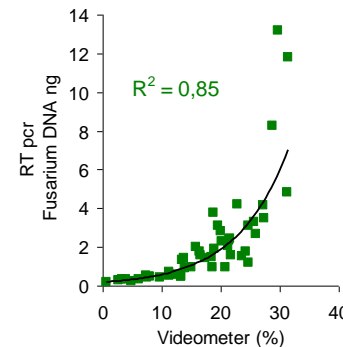
No infection



High infection

The instrument's calibration is based on various barley cultivars from all over the world.

The calibration has been validated by Carlsberg Research Center;



*Comparison between VideometerLab measurements and the level of Fusarium DNA quantified by Real-time PCR, giving an excellent correlation with Fusarium DNA level ( $R^2=0.85$ )*

With the VideometerLab there is no need for time consuming sample preparation, and there are no consumables to consider in continued use of the system.