

# Virus Bulletin

Covering the global threat landscape

## VB100 TEST REPORT



Avast Software s.r.o.

## Avast Free Antivirus



May 23, 2022



Test result  
**Test passed**



Certification  
**100.00% malware detected**



Clean  
**0.000% false alarms**



Diversity  
**99.80% malware detected**

## Quick Summary

Product version

**22.3.6008**

Test date:

**May 3, 2022**

Test methodology

**VB100 1.3** [Link](#)

Test platform

**Microsoft Windows 10 Pro N, 64-bit, 10.0.19043**

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## Executive summary

We tested **Avast Free Antivirus** (version 22.3.6008) on May 3, 2022, on Microsoft Windows 10 Pro N, 64-bit, 10.0.19043, as per the 1.3 version of the VB100 methodology.

**The tested product has successfully met the VB100 test criteria.**

### Test criteria:

- The product must detect at least 99.5% of all test cases in the Certification set (malicious samples).
- The product must not generate more than 0.05% false alarms in the Clean set (legitimate program samples).

## Where to find more details

For detailed test results, please consult the rest of the report. You may also find the links below useful for up-to-date information on how to interpret the report data.

- **Report reader's guide** [Link](#)  
Everything you find in this report, explained.
- **Testing methodology, version 1.3** [Link](#)  
Learn exactly how we test.
- **VB100 on the web** [Link](#)  
VB100 news and certified products.

## Test sets and product response

The VB100 test uses multiple sets of malicious and clean test cases to verify the ability of the tested product to detect malware, and to do so without generating false alarms for legitimate programs.

### AT A GLANCE

CERTIFICATION	CLEAN	DIVERSITY
<b>Description</b>	<b>Description</b>	<b>Description</b>
Common and prevalent Windows malware recently observed in the wild.	A random selection of some widely and less widely used legitimate program files.	Assorted malicious Windows executables, including less clear-cut cases and more obscure threats.
<b>Type</b>	<b>Type</b>	<b>Type</b>
<b>Outcome</b>	<b>Outcome</b>	<b>Outcome</b>
<b>Pass</b>	<b>Pass</b>	<b>N/A</b>
<b>Detection rate</b>	<b>False alarm rate</b>	<b>Detection rate</b>
<b>100.00%</b>	<b>0.000%</b>	<b>99.80%</b>
Best possible outcome: <b>100.00%</b> Requirement: <b>&gt;= 99.5%</b>	Best possible outcome: <b>0.00%</b> Requirement: <b>&lt;= 0.05%</b>	Best possible outcome: <b>100.00%</b> Requirement: <b>N/A supplementary</b>

### DETAILED TEST RESULTS

Total cases tested	Total cases tested	Total cases tested
<b>919</b>	<b>100,000</b>	<b>1,973</b>
<b>Cases detected</b>	<b>Cases with false alarm</b>	<b>Cases detected</b>
<b>919</b>	<b>0</b>	<b>1,969</b>
<b>Cases missed</b>	<b>Cases without false alarm</b>	<b>Cases missed</b>
<b>0</b>	<b>100,000</b>	<b>4</b>

### TEST SET COMPOSITION

Windows PE executables	Windows PE executables	Windows PE executables
<b>919</b>	<b>30,519</b>	<b>1,973</b>
<b>Other file types</b>	<b>Other file types</b>	<b>Other file types</b>
<b>0</b>	<b>69,481</b>	<b>0</b>

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## Report notes

Report notes contain complementary information that may be of interest to the report reader. Likewise, any extraordinary circumstance—particularly, those that may affect the test results—are recorded in these notes.

**During this test, no such notes were generated.**



**Virus Bulletin Ltd**

Manor House, Office 6,  
Howbery Business Park

Wallingford OX10 8BA,  
United Kingdom

+44 20 3920 6348

[editorial@virusbulletin.com](mailto:editorial@virusbulletin.com)

<https://www.virusbulletin.com/>

**Head of Testing:** Péter Karsai

**Security Test Engineers:** Adrian  
Luca, Csaba Mészáros, Ionuț  
Răileanu, Bálint Tanos

**Sales Executive:** Allison Sketchley

**Editorial Assistant:** Helen Martin