

Virus Bulletin

Covering the global threat landscape

VB100 TEST REPORT



Gen Digital Inc.

Avast Free Antivirus



February 20, 2023



Test result
Test passed



Detection grade
Grade A+



Certification
99.74% malware detected



Clean
0.000% false alarms

Quick Summary

Product version

22.12.6044

Test date:

February 1, 2023

Test methodology

VB100 1.4 [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 22.12.6044) on February 1, 2023, on Microsoft Windows 10 Pro N, 64-bit, 10.0.19043, as per the 1.4 version of the VB100 methodology.

The tested product has successfully met the VB100 test criteria, with a malware detection grade of A+.

Test criteria:

- The product must detect at least 75.00% 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 1.4** [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
Description	Description
Common and prevalent Windows malware recently observed in the the wild.	A random selection of some widely and less widely used legitimate program files.
Type	Type
	
Outcome	Outcome
Pass 	Pass 
Detection rate	False alarm rate
99.74%	0.000%
Best possible outcome: 100.00% Requirement: >= 75.00%	Best possible outcome: 0.00% Requirement: <= 0.05%

DETAILED TEST RESULTS

Total cases tested	Total cases tested
1,900	100,000
Cases detected	Cases with false alarm
1,895	0
Cases missed	Cases without false alarm
5	100,000

TEST SET COMPOSITION

Windows PE executables	Windows PE executables
1,900	30,142
Other file types	Other file types
0	69,858

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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

<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