

Virus Bulletin

Covering the global threat landscape

VB100 TEST REPORT



Avast Software s.r.o.

Avast Free Antivirus



November 21, 2022



Test result
Test passed



Certification
100.00% malware detected



Clean
0.000% false alarms



Diversity
99.87% malware detected

Quick Summary

Product version

22.7.6025

Test date:

November 3, 2022

Test methodology

VB100 1.3 [Link](#)

Test platform

Microsoft Windows 10 Pro N, 64-bit, 10.0.19043

Executive summary

We tested **Avast Free Antivirus** (version 22.7.6025) on November 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 |
|---|---|--|
| Description | Description | Description |
| 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. |
| Type | Type | Type |
|  |  |  |
| Outcome | Outcome | Outcome |
| Pass  | Pass  | N/A |
| Detection rate | False alarm rate | Detection rate |
| 100.00% | 0.000% | 99.87% |
| Best possible outcome: 100.00% Requirement: >= 99.5% | Best possible outcome: 0.00% Requirement: <= 0.05% | Best possible outcome: 100.00% Requirement: N/A supplementary |

DETAILED TEST RESULTS

| | | |
|---------------------------|----------------------------------|---------------------------|
| Total cases tested | Total cases tested | Total cases tested |
| 1,685 | 100,000 | 1,561 |
| Cases detected | Cases with false alarm | Cases detected |
| 1,685 | 0 | 1,559 |
| Cases missed | Cases without false alarm | Cases missed |
| 0 | 100,000 | 2 |

TEST SET COMPOSITION

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| Windows PE executables | Windows PE executables | Windows PE executables |
| 1,685 | 30,049 | 1,561 |
| Other file types | Other file types | Other file types |
| 0 | 69,951 | 0 |

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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.



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