

Virus Bulletin

Covering the global threat landscape

VB100 TEST REPORT



CMC Cyber Security

CMC Malware Detection and Defense



December 19, 2022



Test result
Test failed



Certification
97.63% malware detected



Clean
0.003% false alarms



Diversity
79.11% malware detected

Quick Summary

Product version
v1.11.2022 build 123

Test date:
December 5, 2022

Test methodology
VB100 1.3 [Link](#)

Test platform
Microsoft Windows 10 Pro N, 64-bit, 10.0.19044

Executive summary

We tested **CMC Malware Detection and Defense** (version v1.11.2022 build 123) on December 5, 2022, on Microsoft Windows 10 Pro N, 64-bit, 10.0.19044, as per the 1.3 version of the VB100 methodology.

The tested product did not meet 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
Fail 	Pass 	N/A
Detection rate	False alarm rate	Detection rate
97.63%	0.003%	79.11%
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
1,307	100,000	1,685
Cases detected	Cases with false alarm	Cases detected
1,276	3	1,333
Cases missed	Cases without false alarm	Cases missed
31	99,997	352

TEST SET COMPOSITION

Windows PE executables	Windows PE executables	Windows PE executables
1,307	30,153	1,685
Other file types	Other file types	Other file types
0	69,847	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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