

# 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**

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## 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  Common and prevalent Windows malware recently observed in the wild.	Description  A random selection of some widely and less widely used legitimate program files.	Description  Assorted malicious Windows executables, including less clear-cut cases and more obscure threats.
Type 	Type 	Type 
Outcome  <b>Fail</b> 	Outcome  <b>Pass</b> 	Outcome  <b>N/A</b>
Detection rate  <b>97.63%</b> Best possible outcome: <b>100.00%</b> Requirement: <b>&gt;= 99.5%</b>	False alarm rate  <b>0.003%</b> Best possible outcome: <b>0.00%</b> Requirement: <b>&lt;= 0.05%</b>	Detection rate  <b>79.11%</b> Best possible outcome: <b>100.00%</b> Requirement: <b>N/A supplementary</b>

### DETAILED TEST RESULTS

Total cases tested  <b>1,307</b>	Total cases tested  <b>100,000</b>	Total cases tested  <b>1,685</b>
Cases detected  <b>1,276</b>	Cases with false alarm  <b>3</b>	Cases detected  <b>1,333</b>
Cases missed  <b>31</b>	Cases without false alarm  <b>99,997</b>	Cases missed  <b>352</b>
TEST SET COMPOSITION		
Windows PE executables  <b>1,307</b>	Windows PE executables  <b>30,153</b>	Windows PE executables  <b>1,685</b>
Other file types  <b>0</b>	Other file types  <b>69,847</b>	Other file types  <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.



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