

Independent Tests of Anti-Virus Software



Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: FEBRUARY 2023
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Introduction

This test evaluates the phishing-page detection rates and false positive rates at time of testing (February 2023) of various AV products, and different browsers, as listed below. AV-Comparatives selected the products to be tested. We purchased these in January 2023. This comparative test was commissioned by Gen Digital. The testing dates were chosen by the testing lab and not pre-disclosed.

Tested products

The test took place from 1st February till 19th February 2023. The following up-to-date products were tested in parallel, and with active Internet/cloud-access, on Windows 10. Phishing protection provided by AV products were tested using Google Chrome (with Google SafeBrowsing disabled). The browser extensions of the AV products were installed and enabled. The different browsers were tested without an AV program running.

Antivirus (AV) Products:

- Avast Free Antivirus 22.12 – 23.1
- Avira Free Security 1.1
- Bitdefender Internet Security 26.0
- ESET Internet Security 16.0
- Kaspersky Standard 21.8
- Malwarebytes Premium 4.5
- McAfee Total Protection 16.0
- Microsoft Defender 4.18 with Defender browser plugin for Chrome
- Norton 360 Deluxe 22.23
- Trend Micro Internet Security 17.7

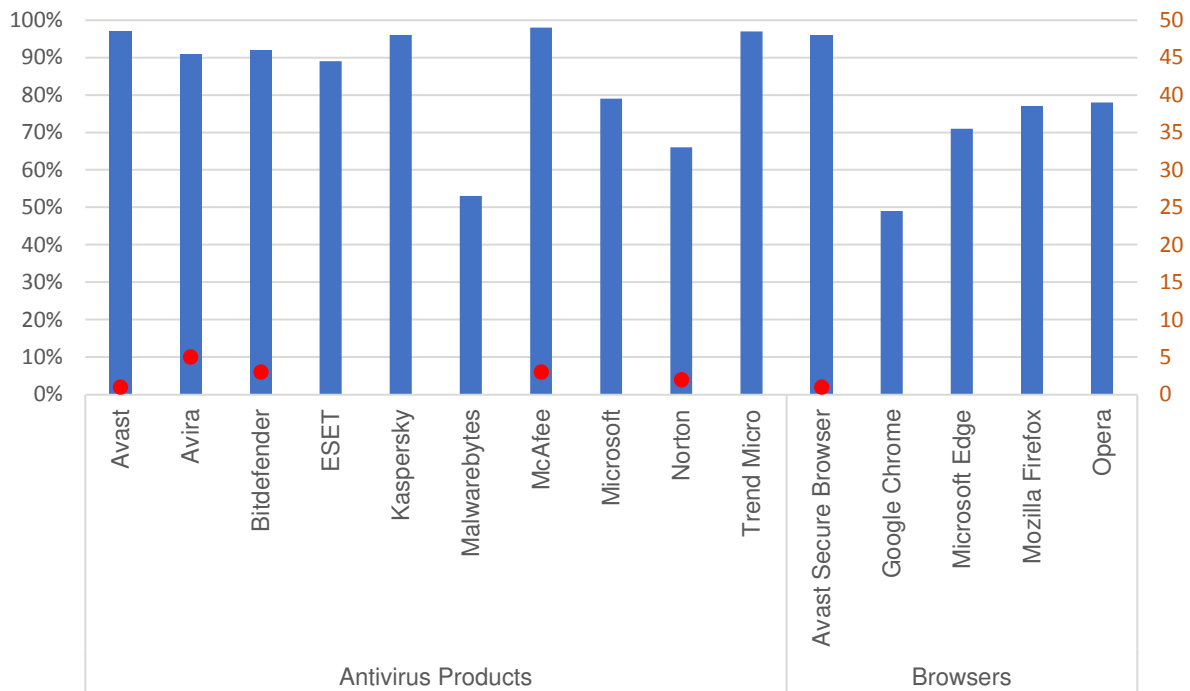
Browsers:

- Avast Secure Browser 109.0 – 110.0
- Google Chrome 109.0 – 110.0 with SafeBrowsing
- Microsoft Edge 109.0 – 110.0
- Mozilla Firefox 109.0 – 110.0
- Opera 95.0

Anti-Phishing Test-Set

For this first test, we used **250** valid phishing URLs. The number of used clean URLs for false alarm detection was 250.

Test Results



	Product	Block Rate	False Alarms
AVs	Avast Free Antivirus	97%	1
	Avira Free Security	91%	5
	Bitdefender Internet Security	92%	3
	ESET Internet Security	89%	0
	Kaspersky Standard	96%	0
	Malwarebytes Premium	53%	0
	McAfee Total Protection	98%	3
	Microsoft Defender with Chrome Plugin	79%	0
	Norton 360 Deluxe	66%	2
	Trend Micro Internet Security	97%	0
Browsers	Avast Secure Browser	96%	1
	Google Chrome	49%	0
	Microsoft Edge	71%	0
	Mozilla Firefox	77%	0
	Opera	78%	0

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