

Independent Tests of Anti-Virus Software



Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: JANUARY 2024
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Introduction

This test evaluates the phishing-page detection rates and false positive rates at time of testing (January 2024) of various AV products, and different browsers, as listed below. AV-Comparatives selected the products to be tested. We purchased these in January 2024. 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 22nd January till 31st January 2024. 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 23.12
- Bitdefender Total Security 27.0
- ESET HOME Security Essential 17.0
- F-Secure Internet Security 19.2
- G Data Total Security 25.5
- Kaspersky Standard 21.15
- Malwarebytes Premium 4.6
- McAfee Total Protection 16.0
- Microsoft Defender 4.18 with Defender browser plugin for Chrome
- Trend Micro Internet Security 17.8

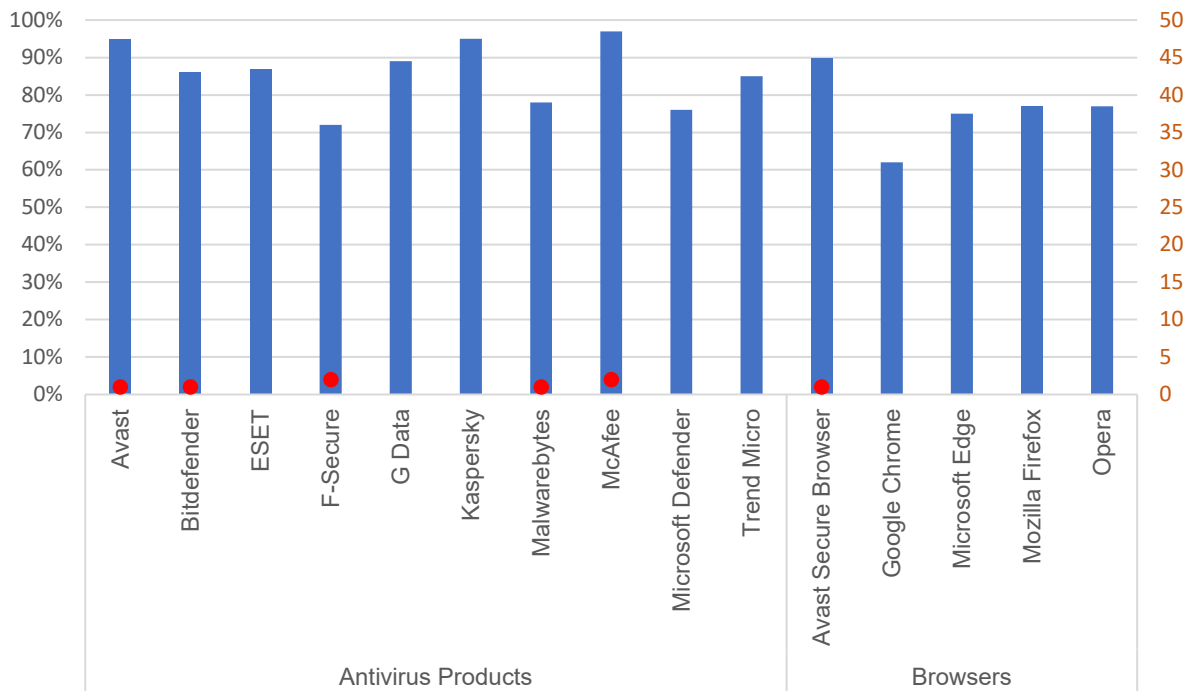
Browsers:

- Avast Secure Browser 120.0 – 121.0
- Google Chrome 120.0 – 121.0 with SafeBrowsing
- Microsoft Edge 120.0 – 121.0
- Mozilla Firefox 121.0 – 122.0
- Opera 106.0

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	95%	1
	Bitdefender Total Security	86%	1
	ESET HOME Security Essential	87%	0
	F-Secure Internet Security	72%	2
	G Data Total Security	89%	0
	Kaspersky Standard	95%	0
	Malwarebytes Premium	78%	1
	McAfee Total Protection	97%	2
	Microsoft Defender with Chrome Plugin	76%	0
	Trend Micro Internet Security	85%	0
Browsers	Avast Secure Browser	90%	1
	Google Chrome	62%	0
	Microsoft Edge	75%	0
	Mozilla Firefox	77%	0
	Opera	77%	0

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