

Independent Tests of Anti-Virus Software



Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: MARCH/APRIL 2022
LAST REVISION: 10TH APRIL 2022

COMMISSIONED BY: AVAST

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Introduction

This test evaluates the phishing-page detection rates and false positive rates at time of testing (March/April 2022) of various AV products, and different browsers, as listed below. This comparative test was commissioned by Avast.

Tested products

The test took place from 21st March till 5th April 2022. 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. Avast selected the products to be tested. We purchased these in January 2022.

Antivirus (AV) Products:

- Avast Free Antivirus 22.2
- Avast One Essential 22.2
- Avira Free Security 1.1
- Bitdefender Internet Security 26.0
- ESET Internet Security 15.0 / 15.1
- Kaspersky Internet Security 21.3
- Malwarebytes Premium 4.5
- McAfee Total Protection 16.0
- Microsoft Defender 4.18 with Defender browser plugin for Chrome
- NortonLifeLock Norton 360 22.22

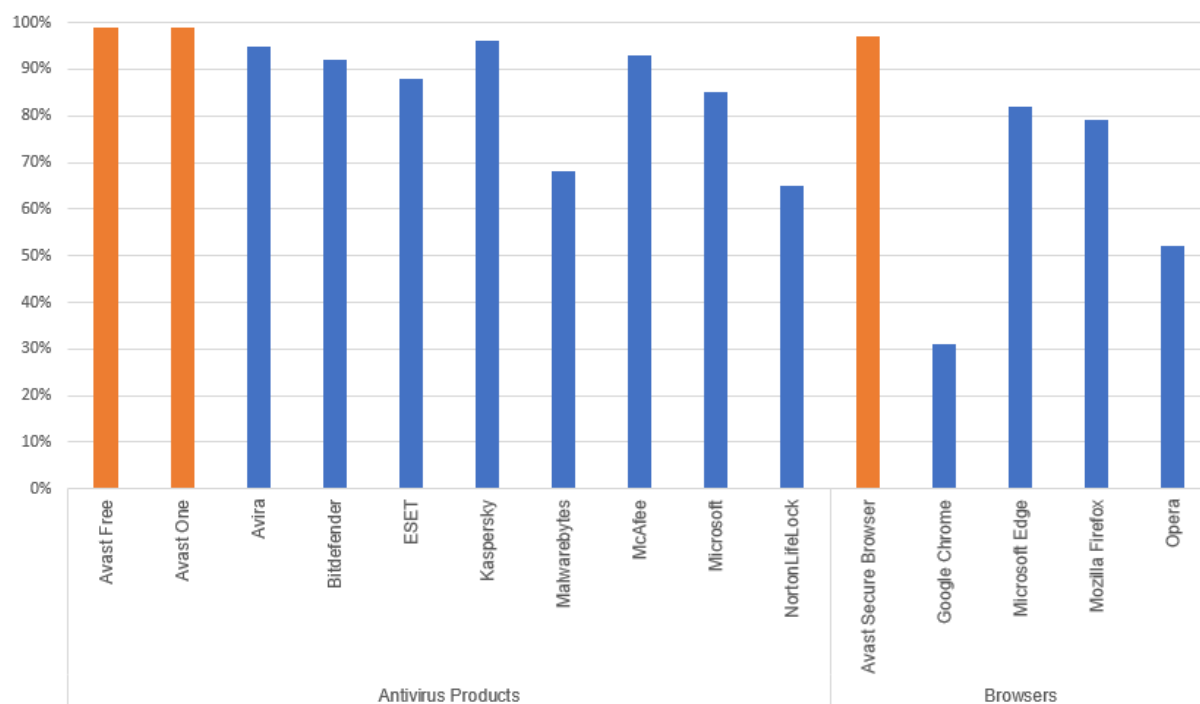
Browsers:

- Avast Secure Browser 99.0
- Google Chrome 99.0 / 100.0 with SafeBrowsing
- Microsoft Edge 99.0 / 100.0
- Mozilla Firefox 98.0
- Opera 85.0

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	99%	0
	Avast One Essential	99%	0
	Avira Free Security	95%	0
	Bitdefender Internet Security	92%	0
	ESET Internet Security	88%	0
	Kaspersky Internet Security	96%	0
	Malwarebytes Premium	68%	0
	McAfee Total Protection	93%	0
	Microsoft Defender with Chrome Plugin	85%	0
	NortonLifeLock Norton 360	65%	0
Browsers	Avast Secure Browser	97%	0
	Google Chrome	31%	0
	Microsoft Edge	82%	0
	Mozilla Firefox	79%	0
	Opera	52%	0

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