

# Independent Tests of Anti-Virus Software



## Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: NOVEMBER 2024  
LAST REVISION: 24<sup>TH</sup> NOVEMBER 2024

COMMISSIONED BY: GEN DIGITAL

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## Introduction

This test evaluates the phishing-page detection rates and false positive rates at time of testing (November 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 without prior disclosure, ensuring objectivity and impartiality in the evaluation process.

## Tested products

The test took place from 4<sup>th</sup> November till 20<sup>th</sup> November 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 24.10 – 24.11
- Bitdefender Total Security 27.0
- ESET HOME Security Essential 18.0
- F-Secure Internet Security 19.7
- G Data Total Security 25.5
- Kaspersky Standard 21.18
- Malwarebytes Premium 5.2
- McAfee Total Protection 16.0
- Microsoft Defender 4.18 with Defender browser plugin for Chrome
- Trend Micro Internet Security 17.8

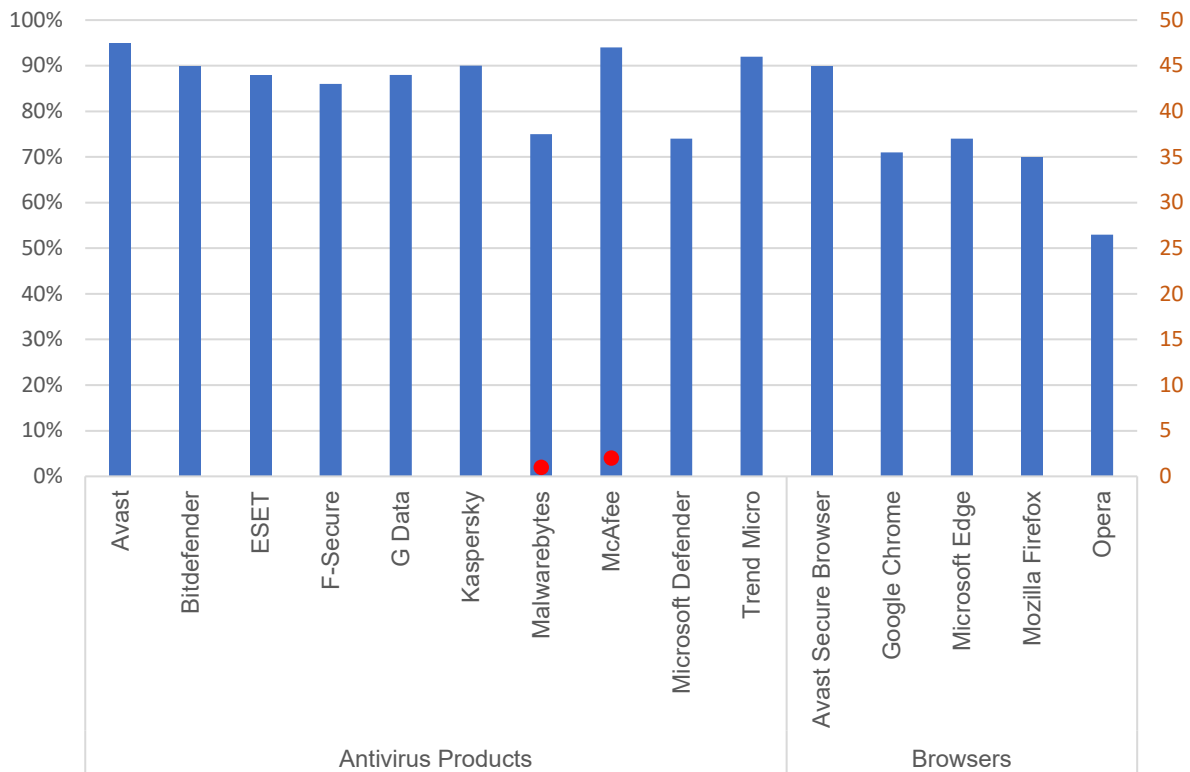
### Browsers:

- Avast Secure Browser 129.0 – 130.0
- Google Chrome 130.0 – 131.0 with SafeBrowsing
- Microsoft Edge 130.0 – 131.0
- Mozilla Firefox 132.0
- Opera 114.0

## 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.

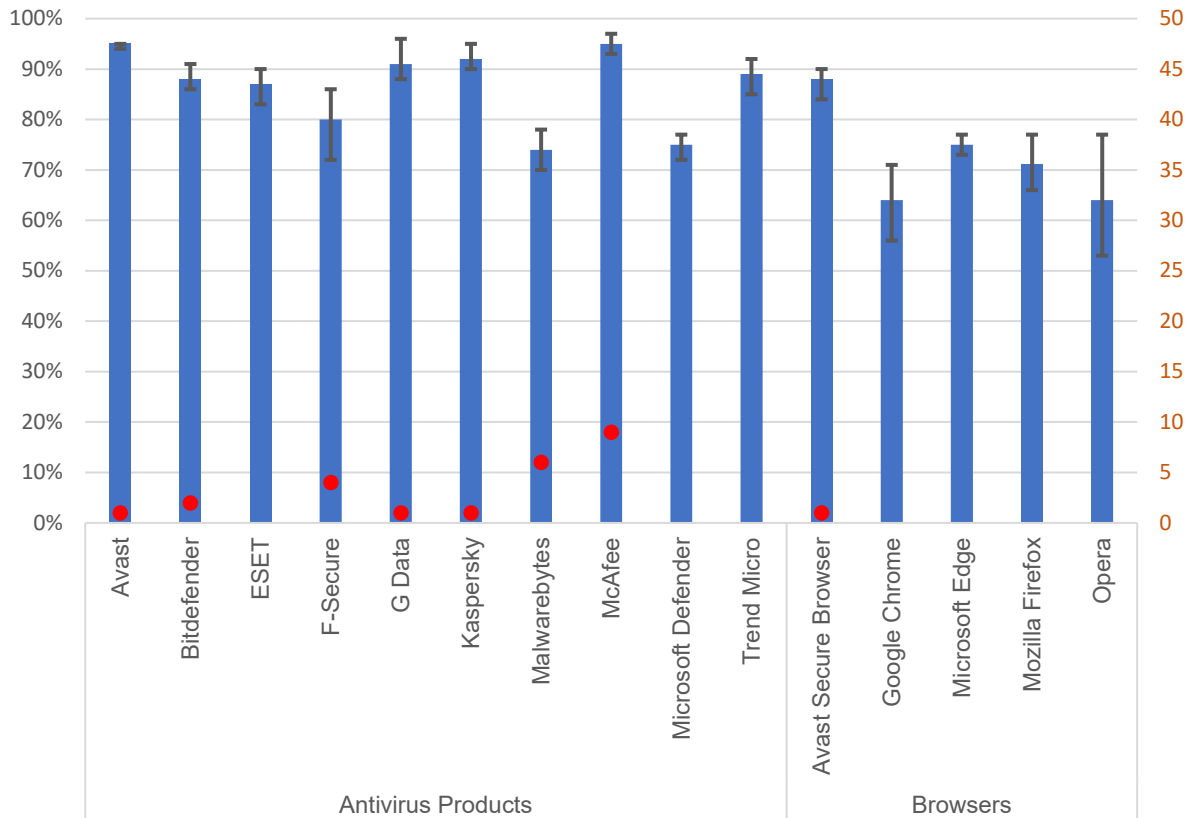
### Test Results



	Product	Block Rate	False Alarms
<b>AVs</b>	Avast Free Antivirus	<b>95%</b>	0
	Bitdefender Total Security	<b>90%</b>	0
	ESET HOME Security Essential	<b>88%</b>	0
	F-Secure Internet Security	<b>86%</b>	0
	G Data Total Security	<b>88%</b>	0
	Kaspersky Standard	<b>90%</b>	0
	Malwarebytes Premium	<b>75%</b>	1
	McAfee Total Protection	<b>94%</b>	2
	Microsoft Defender with Chrome Plugin	<b>74%</b>	0
	Trend Micro Internet Security	<b>92%</b>	0
<b>Browsers</b>	Avast Secure Browser	<b>90%</b>	0
	Google Chrome	<b>71%</b>	0
	Microsoft Edge	<b>74%</b>	0
	Mozilla Firefox	<b>70%</b>	0
	Opera	<b>53%</b>	0

## Overall results for the year

This report covers four tests done in 2024. In total, 1000 valid phishing URLs were tested in January, April, August, and November. Below is a summary of the overall results for 2024. The grey lines at the top of each bar show the highest and lowest scores by the respective product over the course of the year.



Product		Block Rate January	Block Rate April	Block Rate August	Block Rate November	Block Rate (SUM)	False Alarms (SUM)
AVs	Avast Free Antivirus	95%	95%	94%	95%	95%	1
	Bitdefender Total Security	86%	86%	91%	90%	88%	2
	ESET HOME Security Essential	87%	83%	90%	88%	87%	0
	F-Secure Internet Security	72%	77%	85%	86%	80%	4
	G Data Total Security	89%	96%	89%	88%	91%	1
	Kaspersky Standard	95%	91%	92%	90%	92%	1
	Malwarebytes Premium	78%	70%	72%	75%	74%	6
	McAfee Total Protection	97%	97%	93%	94%	95%	9
	Microsoft Defender with Chrome Plugin	76%	72%	77%	74%	75%	0
	Trend Micro Internet Security	85%	86%	92%	92%	89%	0
Browsers	Avast Secure Browser	90%	87%	84%	90%	88%	1
	Google Chrome	62%	56%	66%	71%	64%	0
	Microsoft Edge	75%	73%	77%	74%	75%	0
	Mozilla Firefox	77%	72%	66%	70%	71%	0
	Opera	77%	66%	59%	53%	64%	0

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