

# Independent Tests of Anti-Virus Software



## Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: AUGUST 2024  
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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 (August 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 19<sup>th</sup> August till 31<sup>st</sup> August 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 24.7 - 24.8
- Bitdefender Total Security 30.0
- ESET HOME Security Essential 17.2
- F-Secure Internet Security 19.5
- G Data Total Security 25.5
- Kaspersky Standard 21.18
- Malwarebytes Premium 5.1
- McAfee Total Protection 16.0
- Microsoft Defender 4.18 with Defender browser plugin for Chrome
- Trend Micro Internet Security 17.8

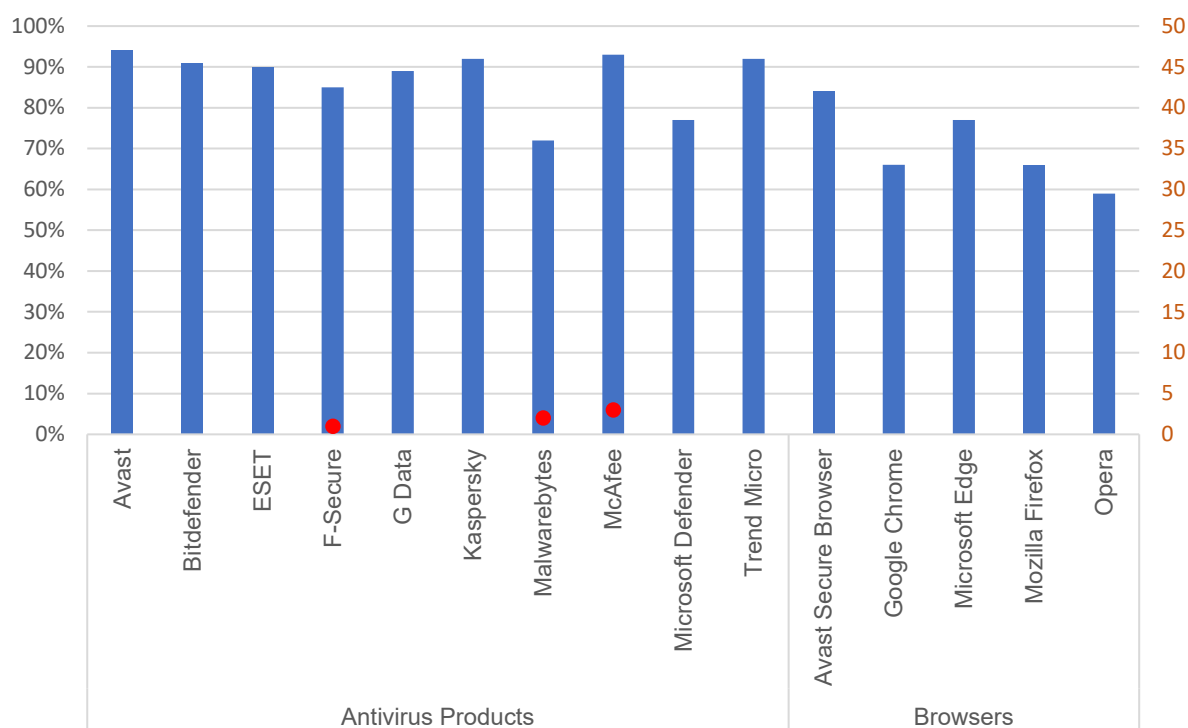
### Browsers:

- Avast Secure Browser 127.0
- Google Chrome 127.0 - 128.0 with SafeBrowsing
- Microsoft Edge 127.0 - 128.0
- Mozilla Firefox 129.0
- Opera 108.0 - 112.0 - 113.0

## 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>94%</b>	0
	Bitdefender Total Security	<b>91%</b>	0
	ESET HOME Security Essential	<b>90%</b>	0
	F-Secure Internet Security	<b>85%</b>	1
	G Data Total Security	<b>89%</b>	0
	Kaspersky Standard	<b>92%</b>	0
	Malwarebytes Premium	<b>72%</b>	2
	McAfee Total Protection	<b>93%</b>	3
	Microsoft Defender with Chrome Plugin	<b>77%</b>	0
	Trend Micro Internet Security	<b>92%</b>	0
<b>Browsers</b>	Avast Secure Browser	<b>84%</b>	0
	Google Chrome	<b>66%</b>	0
	Microsoft Edge	<b>77%</b>	0
	Mozilla Firefox	<b>66%</b>	0
	Opera	<b>59%</b>	0

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