

Independent Tests of Anti-Virus Software



Anti-Phishing Protection in AVs and Browsers

TEST PERIOD: APRIL 2023
LAST REVISION: 3RD MAY 2023

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Introduction

This test evaluates the phishing-page detection rates and false positive rates at time of testing (April 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 3rd April till 18th April 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 23.2 – 23.3
- Avira Free Security 1.1
- Bitdefender Internet Security 26.0
- ESET Internet Security 16.0 – 16.1
- Kaspersky Standard 21.9
- 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

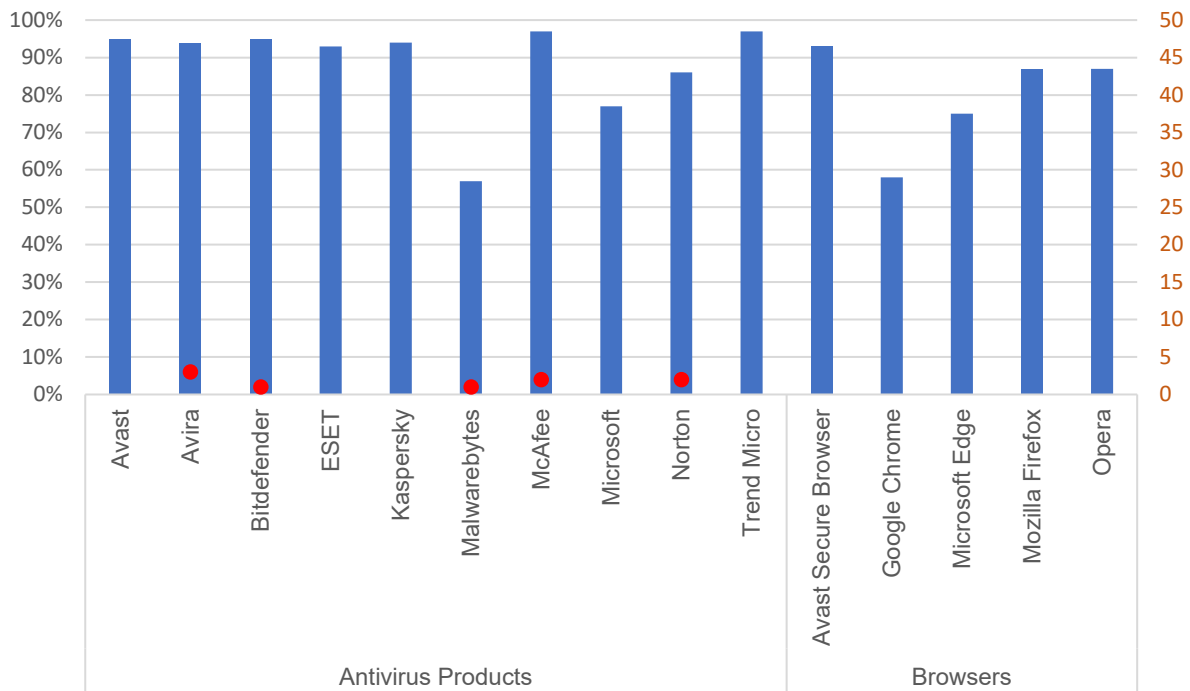
Browsers:

- Avast Secure Browser 111.0– 112.0
- Google Chrome 111.0 – 112.0 with SafeBrowsing
- Microsoft Edge 111.0 – 112.0
- Mozilla Firefox 111.0 – 112.0
- Opera 97.0

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% | 0 |
| | Avira Free Security | 94% | 3 |
| | Bitdefender Internet Security | 95% | 1 |
| | ESET Internet Security | 93% | 0 |
| | Kaspersky Standard | 94% | 0 |
| | Malwarebytes Premium | 57% | 1 |
| | McAfee Total Protection | 97% | 2 |
| | Microsoft Defender with Chrome Plugin | 77% | 0 |
| | Norton 360 Deluxe | 86% | 2 |
| | Trend Micro Internet Security | 97% | 0 |
| Browsers | Avast Secure Browser | 93% | 0 |
| | Google Chrome | 58% | 0 |
| | Microsoft Edge | 75% | 0 |
| | Mozilla Firefox | 87% | 0 |
| | Opera | 87% | 0 |

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