

## Windows Defender, Windows 10 Anniversary Update, PUA Enabled

<b>November 2016</b>	Total number of malware samples	Static Test (On demand detection)	Dynamic Test (Upon execution detection)	Total Detection	System's Final Status
1. 11. 2016.	5	2	0/3	2	Clean
2. 11. 2016.	12	4	0/8	4	Infected
3. 11. 2016.	11	6	3/5	9	Clean
4. 11. 2016.	8	4	1/4	5	Infected
5. 11. 2016.	7	2	1/5	3	Infected
7. 11. 2016.	9	6	0/3	6	Clean
8. 11. 2016.	4	2	1/2	3	Clean
8. 11. 2016. (2)	11	6	2/5	8	Infected
10. 11. 2016.	7	4	0/3	4	Clean
11. 11. 2016.	11	4	4/7	8	Clean
15. 11. 2016.	4	3	0/1	3	Infected
16. 11. 2016.	5	1	0/4	1	Clean
16. 11. 2016. (2)	8	4	1/4	5	Clean
18. 11. 2016.	10	5	2/5	7	Infected
19. 11. 2016.	14	8	1/6	9	Infected
21. 11. 2016.	7	7	N/A	7	Clean
22. 11. 2016.	9	5	1/4	6	Clean
23. 11. 2016.	20	20	N/A	20	Clean
25. 11. 2016.	8	3	2/5	5	Infected
28. 11. 2016.	20	7	2/11	9	Infected
29. 11. 2016.	6	5	0/1	5	Infected
30. 11. 2016.	8	2	1/6	3	Infected
<b>22 Tests</b>	<b>204</b>	<b>110</b>	<b>22</b>	<b>132</b>	

During our test, conducted from 1.11.2016. to 30.11.2016. Windows Defender with PUA (Potentially Unwanted Application) detection enabled, accomplished a detection rate of 64,70% , detecting 132 out of 204 samples. Windows Defender was able to detect 110 samples out of 204 with our Static Test (detection without execution), and additional 22 samples on Dynamic Test (upon sample execution).

Out of 94 samples not being able to detect with static scan, Windows Defender accomplished to detect 22 of them by it's behavioral mechanisms (upon sample execution) with dynamic detection ratio of 23,40%. Out of 22 tests, Windows Defender failed to protect the system 11 times.

Tests conducted by MalwareTips AV Tester **Av Gurus**  
<https://malwaretips.com/members/av-gurus.28210/>

All tests were conducted in protected virtual environment. Due to the small number of samples used in this tests, you should take results with a grain of salt. MalwareTips doesn't encourage readers to take this test as a proof that tested security product is good or bad as security products are dynamically changing. This test shows how the tested product behaves with certain malware samples, on unique circumstances in given period of time.

Product's malware detection rate is not an equivalent of protection. This should not be mixed up. MalwareTips encourage you to compare these results with others and take informed decisions on what security products to use.