

# Certificate of Analysis

<b>Product name</b>	AMPLIRUN® TOTAL RESPIRATORY VIRAL PANEL CONTROL (SWAB)
<b>Catalogue Number</b>	MBTC020
<b>Lot Number</b>	25MBTC020001-C
<b>Expiry date</b>	2026-06-27

Kit contents	Lot Number	Expiry date
VIRCELL TOTAL RESPIRATORY VIRAL PANEL CONTROL (SWAB)	25MBTC020101-C	2026-06-27

Analysis	Specifications	Results
<b>1.ADENOVIRUS 4</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	9400
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>2.CORONAVIRUS</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	9600
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>3.INFLUENZA A H3N2</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	5600
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>4.INFLUENZA B</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	5200
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>5.NOVEL INFLUENZA A H1N1</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	10000
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>6.PARAINFLUENZA 1</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	4200
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>7.PARAINFLUENZA 2</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	4200
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>8.PARAINFLUENZA 3</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	7400
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>9.RESPIRATORY SYNCYTIAL VIRUS (subtype A)</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	5000
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION
<b>10.RESPIRATORY SYNCYTIAL VIRUS (subtype B)</b>		
QUANTIFICATION TEST (copies/vial)	4000-10000	9200
IDENTITY TEST	SPECIFIC AMPLIFICATION	SPECIFIC AMPLIFICATION

## Identity test oligonucleotides

### Identity test oligonucleotides

#### 1.ADENOVIRUS 4

ADENORESHEXONAQ1 GCCACSGTGGGGTTYCTAACTT  
 ADENORESHEXONAQ2 GCCSCAGTGGKCDTACATGCACATC  
 Pauly, M., et al. (2017). Appl Environ Microbiol. 83(18)

#### 2.CORONAVIRUS

CORON-229E-MG-F CATACTATCAACCCATTCAACAAG  
 CORON-229E-MG-R CACGGCAACTGTCATGTATT  
 Gaunt, E.R., et al. (2010). J Clin Microbiol. 48(8):2940-7.

#### 3.INFLUENZA A H3N2

Flu A Fw GACCRATCCTGTACCTCTGAC  
 Flu A Rv GGGCATTYTGACAAKCGTCTACG  
 Chen, Y. et al. (2011). J Clin Microbiol, 49(4):1653-1656

#### 4. INFLUENZA B

Inf B-F CCCTGCTTGCTCGWAGYATGG

Inf B-R TGCTTATGGGAAGMACYACTTTG

Bonzel, L. and Hengel, H. (2009) NACHWEIS VIRALER RESPIRATORISCHER INFESTIONEN MITTELS POLYMERASEKETTENREAKTION. Institut fur Virologie der Heinrich-Heine-Universitat Dusseldorf.

#### 5. NOVEL INFLUENZA A H1N1

Flu A Fw GACCRATCCTGTACCTCTGAC

Flu A Rv GGGCATTYTGACAAKCGTCTACG

Chen, Y. et al. (2011). J Clin Microbiol, 49(4):1653-1656

#### 6. PARAINFLUENZA 1

PIS1 + CCGGTAATTCTCATACCTATG

PIS1 - CTTTGGAGCGGAGTTGTTAAG

Echevarria, J.E., et al. (1998). J Clin Microbiol, 36(5):1388-1391

#### 7. PARAINFLUENZA 2

PIV2PR3 AACTATGTCCAGAGGAGGCTGCTGG

PIV2PR5 CCATGCCTGCATAAGCACACTGTAGC

Osiowy, C. (1998). J Clin Microbiol, 36(11):3149-3154

#### 8. PARAINFLUENZA 3

PIV3s GGAGCATTGTGTCATCTGTC

PIV3as TAGTGTGTAATGCAGCTCGT

Templeton, K. E., et al. (2004). J Clin Microbiol, 42(4):1564-1569

#### 9. RESPIRATORY SYNCYTIAL VIRUS (subtype A)

RSVs GCCAAAAARTTRTTCCACAATA

RSVas TCTTCATCWCCATACTTTCTGTGA

Syrmis MW, et al. (2004). J Mol Diagn. 6(2):125-31.

#### 10. RESPIRATORY SYNCYTIAL VIRUS (subtype B)

RSVs GCCAAAAARTTRTTCCACAATA

RSVas TCTTCATCWCCATACTTTCTGTGA

Syrmis MW, et al. (2004). J Mol Diagn. 6(2):125-31.

This is to certify that the above kit performs in accordance with the Quality Control specifications of Vircell, S.L. and fulfils the essential requirements as established in Directive 98/79/CE and part of Regulation (EU) 2017/746. Vircell, S.L. manufactures under ISO 9001 and ISO 13485 certified quality systems.

#### Q.C. Testing by

Position	Name	Date	Signature
Quality Control Department	Conde Ortega, Ana María	07/01/2025	



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