

Respiratory Point-of-Care Diagnostics

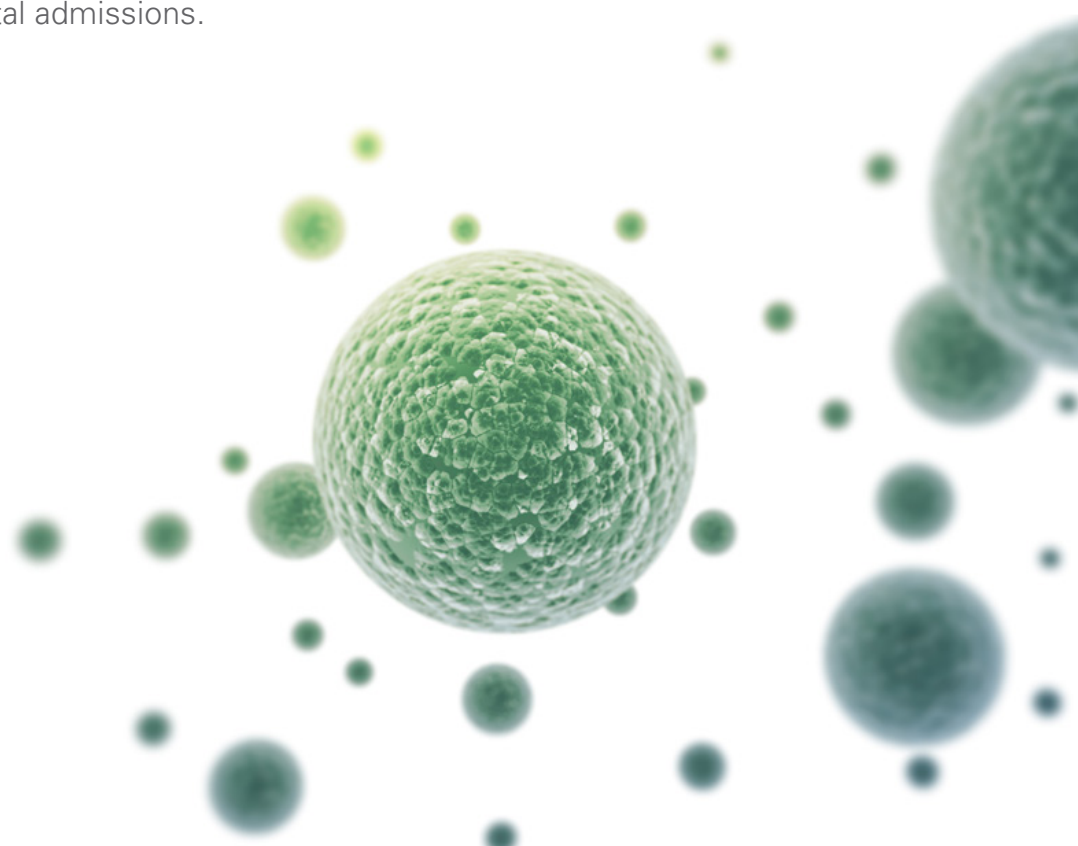
Antigens and Antibodies for Commercial Assay Development



Respiratory diseases are the leading cause of death amongst all infectious diseases and are enormously diverse, ranging from trivial to severe. Point-of-Care (POC) tests for common respiratory pathogens have become an essential part of disease management in emergency care settings. Their rapid turn-around-time has both improved antibiotic stewardship and significantly reduced the number of hospital admissions.

Respiratory Diseases

- Adenovirus
- *Chlamydia pneumoniae*
- Influenza A Virus (Nucleoprotein)
- Influenza B Virus (Nucleoprotein)
- *Legionella pneumophila*
- Metapneumovirus
- *Mycoplasma pneumoniae*
- *Mycobacterium tuberculosis*
- Parainfluenza
- RSV
- Rhinovirus
- SARS Coronavirus
- Streptococcus Group A
- *Streptococcus pneumoniae*



Antibody Pairs

	CAPTURE	DETECTION		CAPTURE	DETECTION		CAPTURE	DETECTION	
Adenovirus	C01785M	C01828M	Influenza B Virus (Nucleoprotein)	C65016M	C65131M	Parainfluenza	C65492M	C65738M	
	C01727M	C01728M		C65081M	C65131M		C65467M ^R	C65329M	
	C86804M	C86006M		C65107M	C65131M		RSV	C65064M	C65065M
	C65431M	C65604M		C01328M	C01329M			C65063M	C65065M
Influenza A Virus (Nucleoprotein)	C01321M	C01323M	C01897M	C01747M	C01770M	C01776M			
	C65331M	C65375M	C01744M	C01897M	C01770M	C01773M			
	C01732M	C01731M	C01748M	C01897M	C01769M	C01773M			
	C01736M	C01731M	C01747M ^R	C01744M	SARS-CoV-2 (Nucleoprotein)	9548	9547		
	C01731M ^R	C01760M	C01746M	C01747M		9548	9549		
	C01733M ^R	C01734M	C01741M	C01897M	SARS-CoV-2 S1 (Trimeric)	9550	9551		
C01733M	C01736M	<i>Mycobacterium tuberculosis</i>	C01398M	C01400M		9550	9551 & 9565		
C01760M	C01734M		<i>Mycoplasma pneumoniae</i>	<i>Streptococcus Group A</i>	<i>Streptococcus pneumoniae</i>	B65510R ^R	C01756R		
		C01941M				C01939M	C01759R	C01758R	
		C01787M				C01790M			
		C01788M				C01790M			
		C01788M				C01791M			
		C01939M	C01942M						

^R = Reversible

Antibodies

Adenovirus Hexon

C01785M – ELISA, pair
 C01828M – ELISA, pair
 C11994M – ELISA, LF
 C01727M – ELISA, LF, pair
 C01728M – ELISA, LF, pair
 C86006M – ELISA, LF, pair
 C86804M – ELISA, IHC, pair
 C65431M – ELISA, LF, IFA, pair
 C65604M – ELISA, LF, IFA, pair

Chlamydia pneumoniae

C01369M – (TWAR) ELISA, IFA
 C01841M – (TWAR) ELISA, IFA
 C01843M – (TWAR) ELISA, IFA

Influenza A Virus (Nucleoprotein)

C01760M – LF, pair
 C01733M – ELISA, LF
 C01734M – ELISA, LF
 C01321M – ELISA, WB, pair
 C01323M – ELISA, pair
 C65331M – ELISA, IFA, pair
 C65375M – ELISA, IFA, pair
 C01731M – ELISA, LF, pair
 C01732M – LF, pair
 C01736M – ELISA, LF, pair

Influenza B Virus (Nucleoprotein)

C01747M – LF, pair
 C65131M – LF, pair
 C01328M – ELISA, WB, pair
 C01329M – ELISA, WB, pair
 C01897M – LF, pair
 C01741M – LF, pair
 C01744M – LF, pair
 C01746M – LF, pair
 C01748M – LF, pair

Legionella pneumophila

C01951M – (LPS) ELISA, LF
 C01952M – (LPS) ELISA, LF
 C01590M – (LPS) ELISA, LF
 C01591M – (LPS) ELISA, LF
 B65054R – PAb (Rabbit) ELISA
 B65051G – PAb (Rabbit) IFA

Metapneumovirus (MPV)

C01851M – (Nucleoprotein) ELISA, IFA,
 IHC, WB
 C01852M – (Fusion Protein) ELISA, IFA, IHC

Mycoplasma pneumoniae

C01787M – (P1) ELISA, IFA, pair
 C01788M – (P1) ELISA, IFA, pair
 C01790M – (P1) ELISA, IFA, pair
 C01791M – (P1) ELISA, IFA, pair
 C01939M – (P30) ELISA, pair
 C01941M – (P30) ELISA, pair
 C01940M – (P30) ELISA, pair
 C01942M – (P30) ELISA, pair
 C01521M – ELISA, WB, IFA

Mycobacterium tuberculosis

C01400M – (CFP10) ELISA, pair
 C01398M – (CFP10) ELISA, pair
 C01401M – (ESAT6) ELISA
 C01402M – (ESAT6) ELISA
 B65601R – PAb (Rabbit) IFA, IHC

Antibodies *continued*

Parainfluenza

- C01306M – (Type 1, Fusion Protein)
C65492M – (Type 1, Fusion Protein) ELISA, IFA, pair
C65738M – (Type 1&3, Fusion Protein) ELISA, IFA, pair
C65241M – (Type 2) IFA, pair
C01308M – (Type 3, Hemagglutinin)
C65329M – (Type 3, Hemagglutinin) ELISA, IFA, pair
C65467M – (Type 3, Hemagglutinin) ELISA, IFA, pair

Rhinovirus

- C01698M – (VP3) ELISA, IFA
C01696M – (VP3) ELISA, IFA
C01697M – (Nucleoprotein) ELISA, IFA

RSV

- C66432M – (Nucleoprotein) DB, LF
C65063M – (Fusion Protein) ELISA, LF, IFA, pair
C65064M – (Fusion Protein) ELISA, LF, IFA, Neut., pair
C65065M – (Fusion Protein) ELISA, LF, IFA, Neut., pair
C01769M – (Fusion Protein) ELISA, pair
C01770M – (Fusion Protein) ELISA, pair
C01773M – (Fusion Protein) ELISA, pair
C01776M – (Fusion Protein) ELISA, pair
B65860G – PAb (Goat) ELISA, IFA
B65840G – PAb (Goat) ELISA, WB, IHC, Neut.

SARS-CoV-2

- 9547 – (Nucleocapsid) ELISA, LF, WB, pair
9548 – (Nucleocapsid) ELISA, LF, WB, pair
9549 – (Nucleocapsid) ELISA, LF, WB, pair
9550 – (Trimeric Spike) ELISA, LF, WB, pair
9551 – (Trimeric Spike) ELISA, LF, WB, pair

Streptococcus Group A

- C65421M – (Rabbit MAb) ELISA
C01756R – (Rabbit MAb) ELISA, LF, pair
B65510R – PAb (Rabbit) ELISA, IFA, LF, pair

Streptococcus pneumoniae

- C01758R – (CWPS, Rabbit MAb) ELISA, LF, IFA, pair
C01759R – (CWPS, Rabbit MAb) ELISA, LF, IFA, pair
C01637M – (CWPS) ELISA, IFA
C01638M – (CWPS) ELISA, IFA
B65831R – PAb (Rabbit) ELISA, IFA

Antigens

Adenovirus

- R14800, Native – (Type 2) ELISA
R86310, Native – (Type 6) ELISA
R02721, Native – ELISA

Chlamydia pneumoniae

- R02620, Native – (TWAR strain) ELISA, WB

Influenza A Virus (Nucleoprotein)

- R86280, Native – (A/Beijing/262/95), ELISA
R01249, Native – (A/Brisbane/10/07), ELISA

Influenza B Virus (Nucleoprotein)

- R02310, Native – (B/Hong Kong 5/72), ELISA
R01248, Native – (B/Malaysia/2506/04), ELISA

Legionella pneumophila

- R14610, Native – (Whole Cell) ELISA

Mycoplasma pneumoniae

- R02102, Native – ELISA
R14720, Native – (p30 enriched)
R01701, Native – (p30 enriched) ELISA, CLIA, LF, WB

Mycobacterium tuberculosis

- R01590, Rec. *E. coli* – (CFP10) ELISA, WB
R01668, Rec. *E. coli* – (CFP10, ESAT6) ELISA, WB

Parainfluenza

- R02802, Native – (Type 1) ELISA
R02902, Native – (Type 2) ELISA
R02002, Native – (Type 3) ELISA

RSV

- R86900, Native – ELISA
8175, Native – ELISA

SARS-CoV-2

- 9552, Rec. HEK293 – (Spike S1 RBD) ELISA, WB
9556, Rec. Insect – (Spike S1) ELISA, WB
9557, Rec. Insect – (Spike S1 NTD) ELISA, WB
9558, Rec. Insect – (Spike S1 RBD) ELISA, WB
9560, Rec. Insect – (Nucleocapsid) ELISA, WB
9566, Rec. Insect – (Spike S1 Trimer) ELISA, WB
9567, Rec. Insect – (Spike S1 RBD, N501Y mutant) Represents Alpha B.1.1.7 strain
9568, Rec. Insect – (Spike S1 RBD, RBDK417N, E484K and N501Y mutant) Represents Beta B.1.351 strain
9569 Rec. Insect – (Spike S1 RBD, K417T, E484K and N501Y mutant) Represents Gamma P.1 strain
9598 Rec. Insect – (Spike S1 RBD, L452R mutant) Represents Epsilon strain

Streptococcus Group A

- A01717N, Native – LF

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