

## Instrument read tests

QuikRead go is a versatile point of care system used together with the ready-to-use tests for measuring concentration of e.g. CRP, CRP+Hb and for detecting Strep A.

## Visually read tests

Wide range of visually read antigen tests for the detection of SARS-CoV-2, influenza, RSV, Strep A, *Legionella*, adenovirus, *Streptococcus pneumoniae*, infectious mononucleosis and *Mycoplasma pneumoniae*.

For more detailed information, please consult the instructions for use.

### References

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# Respiratory tract infections.

## Tools for the correct diagnosis



**AIDIAN**

# Rapid and simple diagnostic tests for respiratory tract infections.



Infections in respiratory tract are one of the most common reasons why people visit healthcare professionals<sup>1</sup>. **However, as the symptoms and signs of influenza, COVID-19 and other respiratory infections somewhat overlap, the correct diagnosis of the infection is critical.** A swift diagnosis ensures the right treatment and minimal spread of the infection. Correct diagnosis also reduces unnecessary antibiotic prescribing. Aidian offers a wide range of visually read and instrument read rapid tests for the detection of influenza, SARS-CoV-2 and other respiratory infections.

## C-reactive protein (CRP)

Accurate and rapid CRP point of care testing aids in the clinical management of patients with symptoms of infection. Measuring CRP increases diagnostic certainty, guides appropriate antibiotic prescribing and aids in ruling out severe bacterial infections<sup>2-4</sup>.

## Viruses

### Adenovirus

Adenovirus can cause illnesses from common cold to sore throat, but it can also cause pneumonia, acute gastroenteritis, and neurological diseases<sup>5</sup>. Adenovirus rapid tests help to identify the cause of the symptoms as the symptoms of respiratory adenoviral infection may be difficult to differentiate from other respiratory infections.

### Respiratory syncytial virus (RSV)

RSV is a leading cause of respiratory tract infections and it accounts for more than 60% of acute respiratory tract infection cases among young children<sup>6,7</sup>. RSV is often associated with high morbidity and mortality rates among children as well as the elderly and immunocompromised patients. As the symptoms are very similar to other viral infections, RSV rapid tests assist in detection of the cause of the illness.

### Infectious mononucleosis

Infectious mononucleosis is a contagious disease usually caused by Epstein-Barr virus (EBV) and it is common among teenagers and young adults<sup>8</sup>. With rapid mononucleosis test, EBV can easily be detected from whole blood, fingerstick whole blood, serum or plasma.

### Influenza

Influenza is one of the leading causes of acute respiratory infections<sup>9</sup>. Despite the seasonal vaccination against influenza, the infections represent a considerable public burden worldwide. This is due to continuous antigen changes in the surface glycoproteins of influenza virus, which reduce the effectiveness of vaccination<sup>10</sup>. Influenza rapid tests help to quickly differentiate the cause of the illness making it easier to treat the patients accurately.

### SARS-CoV-2

COVID-19 is the respiratory disease caused by SARS-CoV-2. People infected with SARS-CoV-2 will experience mild to moderate respiratory illness and most will recover without a need for special treatment. However, COVID-19 can sometimes cause a severe disease requiring intensive care. Older people and those with underlying medical conditions are more likely to develop serious illness.<sup>11</sup> COVID-19 can transmit easily, and rapid identification of infected persons aids in cutting transmission routes.

## Bacteria

### *Streptococcus pyogenes*

*S. pyogenes*, also called Strep A or GAS, is a significant cause of pharyngitis. Streptococcal pharyngitis is often difficult to distinguish from viral infection<sup>12</sup> and rapid tests offer fast and cost-effective way to detect Strep A infections accurately.

### *Legionella*

*Legionella* may cause a serious type of pneumonia. The bacteria can grow in freshwater systems and spread through small droplets. Less commonly people can get sick also by aspiration of drinking water containing *Legionella*.<sup>13</sup> Rapid test detects the *Legionella* antigens in urine specimens.

### *Mycoplasma pneumoniae*

*M. pneumoniae* is a bacterium that is causing usually mild but long-lasting infections of the respiratory system. The most common type of illness caused by *M. pneumoniae* is tracheobronchitis, but it can also cause pneumonia<sup>14</sup>. Mycoplasma rapid tests detect the *M. pneumoniae* immunoglobulin M (IgM) antibody in serum samples.

### *Streptococcus pneumoniae*

*S. pneumoniae* is often found in respiratory tract of healthy persons, especially the ones having school-aged children or persons in military settings<sup>15</sup>. Pneumonia, bacteremia and meningitis caused by *S. pneumoniae* most often occurs when predisposing condition exists.

# Respiratory tract infections.

Tools for the correct diagnosis – Product list for the family brochure

## Instrument read tests

	Pack size	Product no.	Order no.
<b>QuikRead go</b>			
QuikRead go easy CRP	50 tests	153287	153287
QuikRead go wrCRP+Hb	50 tests	146255	146255
QuikRead go Strep A	50 tests	135883	135883
QuikRead go Instrument	1 pc	135867	135867

## Visually read tests

Pack size

Product no.

Order no.

### *Streptococcus pyogenes* (Strep A)

Alltest Strep A Cassette test, blue	20 tests	ISTB-502	155073
Alltest Strep A Dipstick test, blue	25 tests	ISTB-501	155072

### Influenza

Meridian ImmunoCard STAT! FLU A&B, 32 tests + PC	32 tests	782030	152990
CerTest Influenza A+B Combo Card, including control	20 tests	Z882001PC	149357

### Respiratory syncytial virus (RSV)

Acro RSV Rapid Test Cassette	20 tests	IRS-502	154593
Meridian TRU RSV	32 tests	751330	146192
CerTest RSV card with swabs, diluent and control	20 tests	RV820001PC	155189

### Infectious mononucleosis

Alltest Mono Rapid Test Cassette, including control	25 tests	IMO-402	155157
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### *Streptococcus pneumoniae*

CerTest <i>S. pneumoniae</i> including control	20 tests	SN820201PC	151593
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### *Legionella*

CerTest <i>Legionella</i> Card, including control	20 tests	LP820201PC	151592
Meridian TRU <i>Legionella</i>	30 tests	751930	146195

### Adenovirus

CerTest Adeno Resp. Card, including control	20 tests	AP820001PC	151589
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### *Mycoplasma pneumoniae*

Meridian ImmunoCard Mycoplasma	30 tests	709030	146186
HISS ImmunoFLOW <i>Mycoplasma pneumoniae</i> IgM	25 tests	7005	141136

### Combo tests

CerTest Influenza A+B/RSV/Adeno Resp. quad card,	20 tests	ZV862001P	146245
CerTest <i>S. pneumoniae</i> + <i>Legionella</i> Combo card, including control	20 tests	NL882201PC	151594
CerTest RSV+Adenovirus Resp. combo card with swabs, diluent and control	20 tests	VR882001PC	155190
CerTest SARS-COV-2/FLU A+B/RSV quadr. card with swabs, vials and control	20 tests	SV862001PC	155191

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