

## How will I know?

Since it's difficult to tell what's causing an infection based on symptoms alone, your healthcare provider can run tests to determine what's causing your illness and the best way to treat it.



[biofiredx.com](http://biofiredx.com)

## Do I need antibiotics?

Antibiotics can only treat certain bacterial infections, and are not effective against viruses. Taking unnecessary antibiotics can cause unpleasant side effects, and may even lead to antibiotic-resistant germs that are even more difficult to treat.

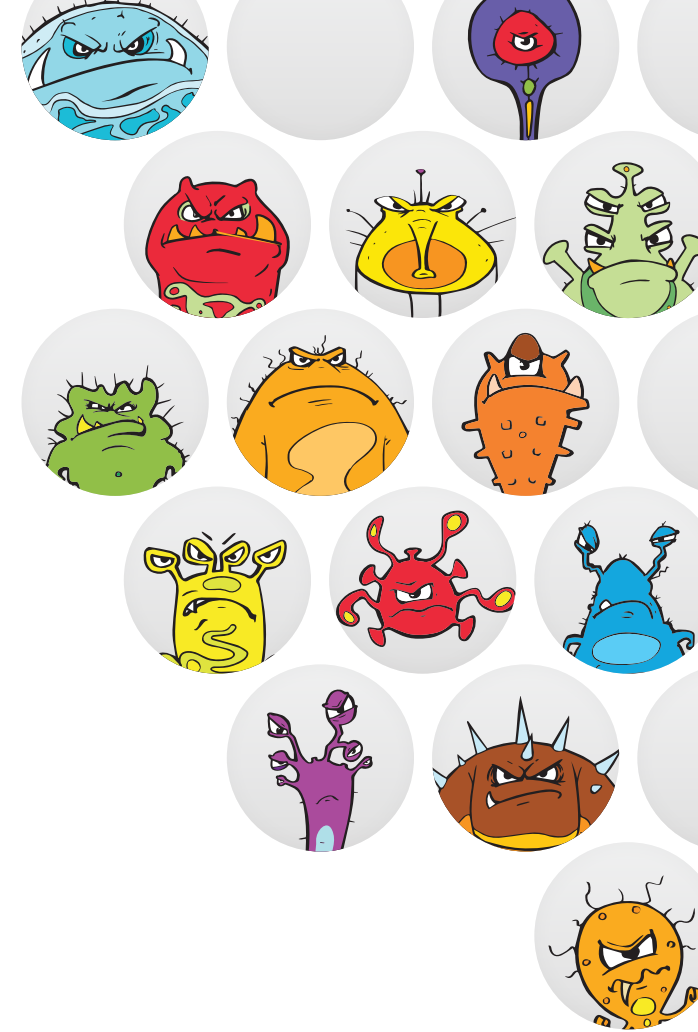


*Taking unnecessary antibiotics can cause unpleasant side effects...*



**Syndromic Testing: The Right Test, The First Time.**  
Respiratory • Blood Culture Identification • Gastrointestinal • Meningitis/Encephalitis

FLM1-MKT-0245



# What bug do I have?

# Bacteria or Virus?

Respiratory illnesses like the common cold or the flu can have similar symptoms—runny nose, coughing, sneezing, congestion, headache, fever, and fatigue. These illnesses require different treatments—depending on whether they’re caused by bacteria or viruses.

## Common causes of respiratory infections

### Viruses

- Adenovirus
- Coronavirus
- Human Metapneumovirus
- Human Rhinovirus/Enterovirus
- Influenza A
- Influenza A/H1
- Influenza A/H1-2009
- Influenza A/H3
- Influenza B
- Parainfluenza Virus
- Respiratory Syncytial Virus

### Bacteria

- Bordetella pertussis
- Chlamydophila pneumoniae
- Mycoplasma pneumoniae

# Common conditions

While only a qualified healthcare professional can diagnose your illness, various viruses and bacteria are the likely causes of some of these common conditions.


Condition	Bacteria	Bacteria or Virus	Virus	Will antibiotics help?
Strep throat	✓			Yes
Whooping cough	✓			Yes
Sinus infection		✓		Maybe
Ear infection		✓		Maybe
Bronchitis		✓		No
Sore throat (except strep)			✓	No
Common cold			✓	No
Flu			✓	No

Source: CDC, What's got you sick? CS2722798

# How do I get better?


Your healthcare provider will recommend treatment based on your individual diagnosis. Options may include antibiotics for bacterial infections, antivirals for some viral infections, and over-the-counter medications to lessen symptoms.

### Treating Viral Infections




Rest & Fluids

+




Antiviral  
in certain cases

+




OTC Medication  
to treat symptoms

### Treating Bacterial Infections




Rest & Fluids

+



Antibiotic  
in certain cases

+



OTC Medication  
to treat symptoms

A horizontal row of 15 stylized, cartoonish microorganisms. From left to right: a yellow, multi-segmented worm-like creature; a green, multi-segmented worm-like creature; a yellow, multi-segmented worm-like creature; a blue, multi-segmented worm-like creature; an orange, multi-segmented worm-like creature; a red, multi-segmented worm-like creature; a purple, multi-segmented worm-like creature; a large, orange, multi-segmented worm-like creature; a yellow, multi-segmented worm-like creature; a blue, multi-segmented worm-like creature; a green, multi-segmented worm-like creature; a purple, multi-segmented worm-like creature; a red, multi-segmented worm-like creature; a blue, multi-segmented worm-like creature; and a red, multi-segmented worm-like creature.