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## *Streptomyces eurythermus*

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Streptomyces eurythermus is a Gram-positive, filamentous, aerobic actinobacter. It is characterized by its ability to grow at a wide range of temperatures, from 10°C to 45°C, which is why it is named "eurythermus". The organism is typically found in soil and is known for its production of various secondary metabolites, including antibiotics and enzymes. It is a member of the Streptomyces genus, which is one of the most diverse and ecologically important groups of bacteria. The bacterium is characterized by its long, thin, filamentous cells that are arranged in long, unbranched chains. It has a high G+C content in its DNA, which is typical for actinobacteria. The organism is motile and can move through soil pores. It is a fast-growing bacterium with a short generation time. The bacterium is known for its ability to degrade a wide range of organic matter, including plant and animal residues. It is also known for its ability to produce a variety of secondary metabolites, including antibiotics and enzymes. The bacterium is a member of the Streptomyces genus, which is one of the most diverse and ecologically important groups of bacteria. The bacterium is characterized by its long, thin, filamentous cells that are arranged in long, unbranched chains. It has a high G+C content in its DNA, which is typical for actinobacteria. The organism is motile and can move through soil pores. It is a fast-growing bacterium with a short generation time. The bacterium is known for its ability to degrade a wide range of organic matter, including plant and animal residues. It is also known for its ability to produce a variety of secondary metabolites, including antibiotics and enzymes.