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## Culture-negative endocarditis

Culture-negative endocarditis is an infection and inflammation of the lining of one or more heart valves, but in which no endocarditis-causing germs (typically bacteria) can be found in a routine blood culture (most often 2 or 3 cultures are done when endocarditis is suspected). This is because certain germs do not grow well in a lab setting, or some people have received antibiotics in the past that keep such germs from growing outside of the body.

Endocarditis is usually a result of a bloodstream infection. Bacteria can enter the bloodstream during certain medical procedures, including dental procedures or through intravenous injection using non-sterile needles. Then bacteria can travel to the heart, where they can settle on heart valves.

### Alternative Names

Endocarditis (culture-negative)

### References

Baddour LM, Anavekar NS, Crestanello JA, Wilson WR. Infectious endocarditis and infections of indwelling devices. In: Libby P, Bonow RO, Mann DL, Tomaselli GF, Bhatt DL, Solomon SD, eds. *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine*. 12th ed. Philadelphia, PA: Elsevier; 2022:chap 80.

Holland TL, Bayer AS, Fowler VG. Endocarditis and intravascular infection. In: Bennett JE, Dolin R, Blaser MJ, eds. *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases*. 9th ed. Philadelphia, PA: Elsevier; 2020:chap 80.

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