

Publication

Bartonella bovis Bermond et al. sp. nov. and *Bartonella capreoli* sp. nov., isolated from European ruminants

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Two novel species of *Bartonella* isolated from European ruminants are described. *Bartonella capreoli* sp. nov. was isolated from the blood of roe-deer (*Capreolus capreolus*) captured in Chize, France. The type strain is IBS 193T (= CIP 106691T = CCUG 43827T). It is distinct from another European ruminant isolate that originated from a cow from a French herd of 430 dairy cattle. The latter isolate belongs to a novel species named *Bartonella bovis* Bermond et al. sp. nov. The type strain is strain 91-4T (= CIP 106692T = CCUG 43828T). The two bacteria appeared as small, fastidious, aerobic, oxidase-negative, gram-negative rods. Their biochemical properties were similar to those of members of the genus *Bartonella*. The sequences of the 16S rRNA and citrate synthase genes obtained from the two type strains were highly related to sequences of the different *Bartonella* species. Hybridization values when testing type strains of recognized *Bartonella* species, obtained with the nuclease/trichloroacetic acid method, support the creation of two novel species.

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