

Epigenetic and Molecular Biomarkers in Chronic Low Back Pain and Modic Changes

NCT03406624

Document date: April 18th 2026.

Table 1 Final categorization of bacterial growth and PCR-based methods for each tissue sample

Culture of primary plate and enrichment broth	PCR-based methods			
	Positive <i>C. acnes</i> specific PCR ¹	Negative <i>C. acnes</i> specific PCR ³		
		16S rDNA nanopore sequencing		
		Possible pathogen ⁴ , same as culture ¹	Possible pathogen ⁴ , different from culture ²	Negative ³ or non-pathogen ⁴
No growth, single colonies outside the streak, or clinically irrelevant species (i.e., <i>Micrococcus</i> spp).	No growth	NA	Nanopore positive only	No growth
<5 single colonies on primary plate and growth of <5 colonies from enrichment broth or No growth on primary plate, but growth of ≥5 single colonies from enrichment broth	Possible significant growth	Possible significant growth	Nanopore positive only	No growth
Growth on primary plate and from enrichment broth, or growth ≥5 single colonies on primary plate regardless of growth or not in enrichment broth	Significant growth	Significant growth	Significant growth	Significant growth

NA; not applicable

¹ positive for the same species as the cultivated microbe.

² positive for a different species than the cultivated microbe.

³ negative for the cultivated microbe

⁴ Which bacteria that were regarded as possible pathogens were based on the literature of reviews and case-reports.