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Abstract






[MIYAGAK, Daniela Cristina](#) et al. *In vitro* evaluation of the antimicrobial activity of endodontic sealers. *Braz. oral res.* [online]. 2006, vol.20, n.4, pp. 303-306. ISSN 1806-8324. doi: 10.1590/S1806-83242006000400004.

The purpose of this study is to evaluate the antimicrobial activity of the endodontic sealers: N-Rickert, Sealapex, AH Plus, Mineral Trioxide Aggregate (MTA) and portland cement. The Agar diffusion method was used in plates previously inoculated with the following microorganisms: *C. albicans*, *S. aureus*, *E. faecalis*, *E. coli*. The diameters of microbial inhibition zones were measured after 24 hours of incubation in kiln at 37°C. According to the methodology used, it was possible to conclude that only the sealers AH Plus and N-Rickert presented antimicrobial activity against *C. albicans*, *S. aureus*, and *E. coli*; no antimicrobial activity in MTA, Sealapex and portland cement was observed. N-Rickert presented the largest inhibition zones varying from 8 to 18 mm, and the microorganism *E. faecalis* was resistant against all sealers tested.

Keywords : Root canal obturation; Bacteria; Dental cements.

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