

ProBase® Hot

Certificate of biocompatibility

Test material: ProBase® Hot denture base material

Manufacturer Ivoclar Vivadent AG, Bendererstrasse 2, FL-9494 Schaan, Liechtenstein

Classification **ProBase Hot** denture base material complies with ISO 20795-1:2013 standard and, given its chemical composition and polymerization temperature, belongs to the heat-curing polymers (Type 1, Class 1).

Water solubility Testing according to ISO 20795-1:2013
Limit for heat-curing polymers $\mu\text{g}/\text{mm}^3 < 1.6$
Example value for ProBase Hot $\mu\text{g}/\text{mm}^3 < 0.3$

Surface quality The surface quality is an important prerequisite for denture hygiene. The basal gloss in ProBase Hot dentures suggests high resistance to microorganisms.
Test: Examining the colonization with *Candida albicans* (yeast)
Result: The ProBase Hot material shows low colonization with *Candida albicans*.
Test institute: Poliklinik für Zahnärztliche Prothetik, Universitätsklinikum Regensburg, Germany, Priv.-Doz. Dr. R. Lang

Cytotoxicity Cytotoxicity tests were conducted on cells of the mouse cell line L929 with extracts of ProBase Hot and comparable materials. The extracts did not reveal any cytotoxic effects.

Genotoxicity The AMES reversion mutation test was conducted on bacterial cells with extracts of ProBase Hot and comparable materials. The extracts did not show any mutagenic effects.

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The Ivoclar logo consists of a small green dot above the word "ivoclar" in a bold, blue, sans-serif font.