
**Fine ceramics (advanced ceramics,
advanced technical ceramics) — Test
method for antibacterial activity
of semiconducting photocatalytic
materials**

*Céramiques techniques — Méthode d'essai de l'activité
antibactérienne des matériaux photocatalytiques semiconducteurs*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 206, *Fine ceramics*. This second edition cancels and replaces the first edition (ISO 27447:2009), which has been technically revised. The main changes to the previous edition are as follows:

- updating of reference document and cross-references;
- replacement of “adhesive” with “cover” throughout;
- clarification of definition of “photocatalyst antibacterial activity value” (3.4, 3.5, 3.6, 3.7) in [Clause 3](#);
- deletion of a definition of “fluorescent UV lamp” in [Clause 3](#) due to updating of the reference document ISO 10677;
- inclusion of a statement in [Clause 5](#) regarding treatment of results measured by the viable bacterial count method;
- NOTE 1 changed to body text in [6.1.3](#);
- revision of “storage period of 1/500 nutrient broth” from 1 month ago to 1 week ago in [6.2.2](#) (formerly 6.2.1);
- addition of a new subclause, [6.2.1](#), renumbering of subsequent subclauses and updating of cross-references in [Clause 6](#);
- addition of a new subclause, [7.1](#), and renumbering of subsequent subclauses in [Clause 7](#);
- revision of [Figure 1](#), [Figure 4](#) and [Figure 5](#);
- addition of “paper filter” apparatus in [7.6](#);
- replacement of “black light fluorescent lamp” with “light source” in [7.7](#) (formerly 7.5) and revision of a statement in [7.7](#) that the light source shall be 351BLB or 351BL as specified in ISO 10677;