



International Product Assurance
LABORATORIES

Microbiology Testing Services

*Leading laboratory on antimicrobial efficacy testing
on surfaces and cleaning products.*

International Product Assurance Laboratories (formerly TCNA Product Performance Testing Laboratory) has a long history of microbiological testing and research, including ground-breaking research on photocatalytic antimicrobial surfaces and the antimicrobial effects of various metal oxides in glazes.

Additionally, the lab offers tests to evaluate the antiviral, antifungal, and anti-algal efficacy of surfaces, resistance to mold growth, and cleaning efficacy of disinfectants and sanitizers. The lab's diverse work portfolio includes testing on various surfaces such as ceramic tile, natural stone, hardwood, textiles, and plastics.

Contact testing@IPALaboratories.com, or call **855-IPA-LABS**, to test your products for hygienic advantages.

www.IPALaboratories.com



Testing for microbiological properties of cleaning products and surface materials with and without antimicrobial coatings:

ceramic tiles • installation materials • plastics • fabrics • leathers • coatings • disinfectants • sanitizers

Antiviral Tests

ISO 21702: Antiviral activity on plastics & other non-porous surfaces

ISO 18061: Antiviral activity of photocatalytic materials – UV light

ISO 18071: Antiviral activity of photocatalytic materials – indoor lighting

ASTM E1053: Virucidal activity of chemicals on non-porous surfaces

Antibacterial Tests

ISO 22196: Antibacterial activity on plastics & other non-porous surfaces

ISO 17721-1: Antibacterial activity of ceramic tile with antibacterial agents

ISO 17721-2: Antibacterial activity of ceramic tile with photocatalytic antibacterial agents

ASTM E3031: Antibacterial activity on ceramic surfaces

Antifungal Tests

ASTM E1428: Antimicrobial activity against staining by pink stain causing microorganism

ASTM G21: Resistance of synthetic polymeric materials to fungi

Antialgal Tests

ASTM G29: Algal resistance of polymeric films

Additional Tests for Products with Photocatalytic Coatings

ISO 27447: Antibacterial activity of semiconducting photocatalytic materials

ISO 22197: Air-purification performance of semiconducting photocatalytic materials

Part 1: Removal of nitric oxide

Part 2: Removal of acetaldehyde

Part 3: Removal of toluene

Part 4: Removal of formaldehyde

Part 5: Removal of methyl mercaptan

ISO 13125: Antifungal activity of semiconducting photocatalytic materials

Photocatalytic reduction staining:

ISO 10678: Methylene blue dye reduction

UNI 11259: Rhodamine B dye reduction

Cytotoxicity/Hypoallergenicity Testing

ISO 10993-5: Biological evaluation of medical devices

Part 5: Tests for in vitro cytotoxicity

Disinfectant and Sanitizer Testing

