

LICENSING OPPORTUNITY: MONITORING ULTRAVIOLET RADIATION BIOREMEDIATION

DESCRIPTION

Problem

No industry-accepted standards exist for evaluating decontamination efficacy.

Invention

Advances in UV-antimicrobial metrology focused on underpinning the development of standards.

BENEFITS

Potential Commercial Applications

- It could be fashioned as a hand-held point-of-use tool.
- Provides a direct measure of viable pathogen loading on a surface.

Competitive Advantage

- Provides for the use of cheap substrates, such as unpatterned glass, fabric, and paper.
- Provides both high sensitivity and low detection limits, while providing a rapid response.

Contact: licensing@nist.gov

NIST TECHNOLOGY PARTNERSHIPS
OFFICE

NIST Technology Partnerships Office
National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD 20899-2200