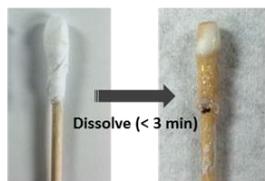


**LUNA's Biomedical Technologies Group accelerates development and commercialization of innovative biomedical technologies for the civilian and military healthcare markets.**

LUNA Innovations Incorporated (NASDAQ: LUNA) develops and manufactures next-generation products for the healthcare, telecommunications, energy and defense markets. With a strong, interdisciplinary team comprising advanced degrees in biology, biomedical engineering, biotechnology, chemistry, macromolecular science and engineering, materials science and engineering and microbiology, Luna's Biomedical Technologies Group conducts research and development in biopreservation, wound healing, assays and medical simulation.

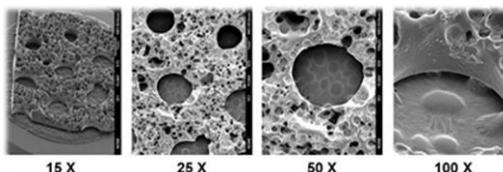
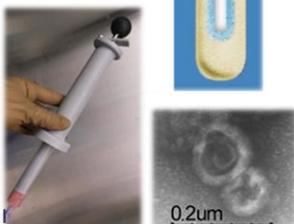
## ASSAYS

- Rapid assays for coliforms, oxygen demands and total organic carbon in treated wastewater
- Reagents and assays for pathogen/toxin detection



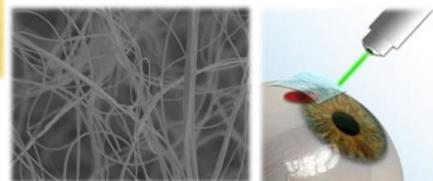
## BIOPRESERVATION

- Cell-based biosensors for water toxicity detection
- Enzyme-stabilization matrices
- Biospecimen preservation and transport systems
- Stabilized vaccines and therapeutics



## WOUND HEALING

- Biomimetic materials for repair of ocular surface injuries
- Surgical adhesion mitigating technologies, including sprayable antiadhesion barriers
- Molecular burn dressings with controlled drug elution



## MEDICAL SIMULATION

- TrueClot™ simulated clotting blood for hemostatic dressing training
- Low-cost hemorrhagic wound task-trainers
- Simulated skin and surgical task trainers



## FACILITIES

LUNA has more than 100,000 ft<sup>2</sup> of research, development, manufacturing and administrative space in four locations throughout Virginia. In addition to corporate offices, machine shops and laboratories dedicated to optics, electronics, chemistry, polymer synthesis, materials characterization and metallography, the Biomedical Technologies Group maintains three laboratories dedicated to internal and contract research and development. These laboratories include:

- **Biomedical Materials Laboratory** – This general purpose laboratory is dedicated to biomaterial synthesis, formulation, sample preparation, fabrication and basic testing.
- **Micro- and Molecular Biology Laboratories** – These biosafety level two facilities also house equipment for expression vector construction and protein expression and purification.
- **Cell and Tissue Culture Laboratory** – This laboratory is dedicated to biosafety level two cell culture, tissue culture, tissue testing and work with blood.
- **In Vivo Testing** – LUNA has collaborators throughout the nation with whom we partner to perform pre-clinical testing.

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