



Microbiological Solutions LLC

**Most Common Test Methods  
and Proficiency at Siva  
Microbiological Solutions LLC\***

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**ASTM D 5588**  
**ASTM D 2574**  
**ASTM D 5590**  
**ASTM D 5589**  
**ASTM D 3273**  
**ASTM G21**  
**ASTM E 2081**  
**ASTM C1338**  
**ASTM D2020**  
**JIS L 1902**  
**JIS Z 2801**  
**USP <51>**  
**USP <61>**  
**AATCC 100**  
**AATCC 174 [Part I, II, III]**  
**AATCC 30**  
**AATCC 147**  
**AOAC [955]**

\*We are experienced and able to perform any customized testing methods you may request



Siva Microbiological Solutions LLC - **SivaMS** is located in Pennsylvania's designated **Keystone Innovation Zone**, supporting Life Sciences, Alternative Energy, and Advanced Manufacturing companies at the Bridge Business Center in Bucks County (Northeast Philadelphia)

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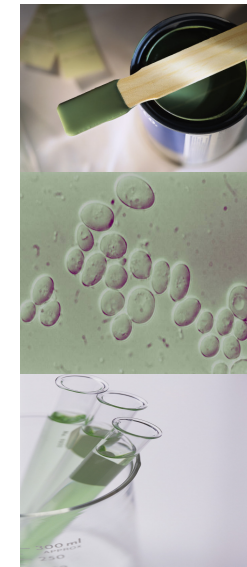


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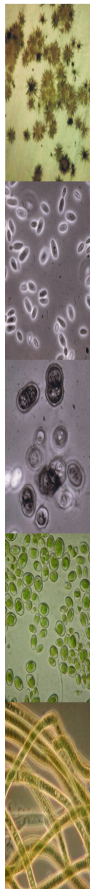


**Mission:** Siva Microbiological Solutions' goal is to provide dedicated one-stop microbiological laboratory testing service for the industrial, environmental, pharmaceutical, consumer products, coatings, and building products markets.

## Siva Microbiological Solutions

supports studies involving sterility, microbial identity and susceptibility, biodeterioration and biodegradation of products and surfaces, and serves the following industries:

- \* Pharmaceutical Industry
- \* Consumer Products Industry
- \* Industrial Microbiology
- \* Coatings and Building Products
- \* Specialty Chemical Industry



Our highly qualified and experienced microbiologists and scientists can customize, plan and design methods per your application needs, particularly for antimicrobial testing of products and surfaces. We are proficient in most industry test methods such as USP, ASTM, AATCC, AOAC, JIS, etc.

Testing proficiencies include:

- \* Microbial Sterility
- \* Microbial Limits
- \* Bioburden Studies
- \* Environmental Monitoring
- \* Preservative Efficacy Tests
- \* Antimicrobial Testing
- \* Fungal Resistance Testing
- \* Algal Resistance Testing
- \* Microbial Identifications  
[bacteria, fungi and algae]

## Facility and Equipment



The state-of-the-art facility at **SivaMS** is equipped with a Bio-safety hood, stereo microscope, phase contrast microscope, autoclaves, incubators, environmental chambers, plant growth chamber, and has access to shared common equipment including ultracentrifuges, refrigerated centrifuges, scintillation counters, (-)80 degree freezers, stability chambers, etc.

### SivaMS-NCS Pharmaceutical Team

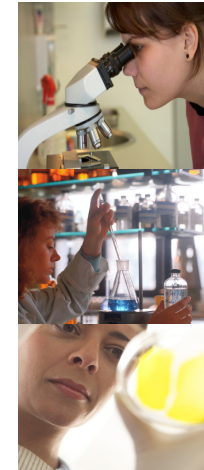
Siva Microbiological Solutions has teamed up with NCS Pharmaceuticals, a Contract Research Organization with expertise in analytical techniques. Together we bring the knowledge and expertise of microbiology, coatings, colorants and analytical capabilities to serve varied markets.



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### SivaMS provides:

- \* Independent research testing
- \* Development of customized assays
- \* Expert consulting
- \* Expert witness services
- \* Authored articles
- \* Training on proper plant housekeeping
- \* Training on proper hygiene
- \* On-site audits

**We also offer EPA, CDPH, and FDA registration support.**