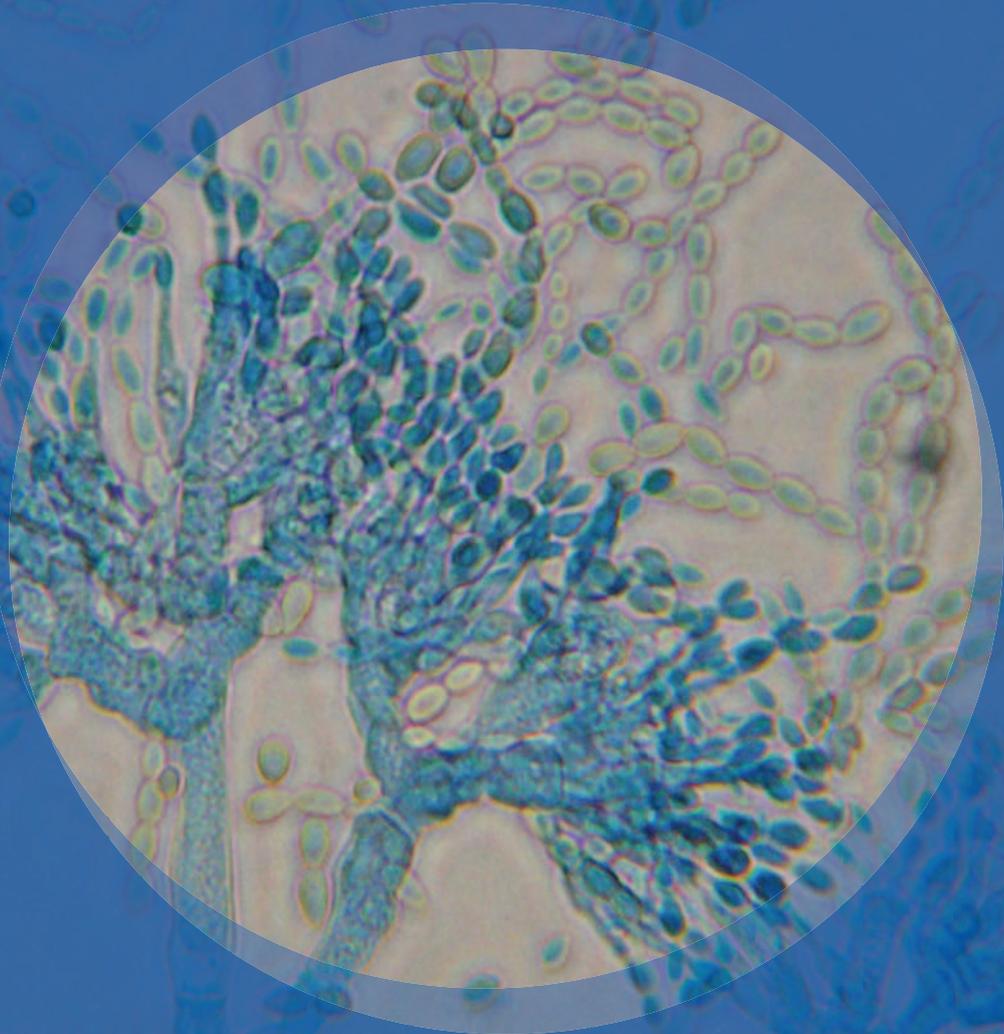


Paecilomyces



EMSL ANALYTICAL, INC.
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Natural Habitats *Decaying plant matter • Insects • Soils*

Suitable Substrates in the Indoor Environment

Optical Lenses • Leather • Paper • PVC • Jute Fibers • Tobacco

Water Activity *Aw=0.79*

Mode of Dissemination *Wind*

Allergenic Potential *Type I (hay fever, asthma)*

• Type III (hypersensitivity)

Potential Opportunist or Pathogen *P. variotii causes paecilomycosis (symptoms include keratitis, cellulitis, and alveolitis). • Corneal ulcers, keratitis, and endophthalmitis can occur after extended contact lens use or eye surgery due to Paecilomyces infection*

Industrial Uses *Paecilomyces fumosoroseus is currently marketed as a biocontrol insecticide*

Potential Toxins Produced *Bysochlamic acid • Ferrirubin • Fusigen • Indole-3-acetic acid • Paecilotoxins • Patulin • Variotin • Viriditoxin*

Other Comments *P. crustaceus and P. variotii can grow well at temperatures as high as 50°C*

LAB SERVICES: Asbestos, Mold, Bacteria, Industrial Hygiene, Metals, Allergens, PCR-Polymerase Chain Reaction (DNA), Silica, Volatiles Scan, Formaldehyde by HPLC, Water and Materials Testing.