

BLOOMOPTIX®

MAKE HAB MONITORING EASY

Sign up for BloomOptix® AI today for rapid, convenient algal bloom monitoring



With minimal training
and hands-on time,
BloomOptix® AI
produces timely
and actionable
data in
seconds!

Typical monitoring methods for algal blooms range from heavy reliance on crude, naked-eye observations and sighting reports, to lab analyses that require expensive instruments and shipping samples to certified labs. These methods can result in false positives, leading to unnecessary interventions (e.g., beach closures, use of advanced water treatment) or multiday lag times.

BLOOMOPTIX® AI

By incorporating traditional methods of harmful algal bloom (HAB) monitoring and bolstering them with innovative solutions, BloomOptix® assists clients in understanding their waterbodies through a suite of analyses of various data sources. One such resource is a patent-pending artificial intelligence (AI)-powered microscopy tool that enables clients to monitor their waterways for HAB-causing cyanobacteria.

With an easy-to-use iOS app (Android coming soon) interface, BloomOptix® AI provides the means to automatically identify and count cyanobacterial cells (cells/mL) belonging to six of the most common HAB producing genera:

- ✓ *Microcystis*
- ✓ *Dolichospermum*
- ✓ *Aphanizomenon*
- ✓ *Woronichinia*
- ✓ *Limnorphis*
- ✓ *Gloeotrichia*



CONTACT US TO LEARN MORE:
info@bloomoptix.com
+1 (216) 285-9674

SIGN UP NOW:
bloomoptix.com



BENEFITS OF BLOOMOPTIX® AI:

By teaming up with our partners at ioLight, BloomOptix® AI replaces the need for expensive equipment with a low-cost, mobile device-compatible microscope, providing more data than sensors or traditional microscopes alone. Users also gain access to training and advice from our HAB experts, as well as:

- ✓ 94% accuracy in classification across six cyanobacterial genera and genus-specific cell counts (cells/mL)
- ✓ Unlimited HAB testing and sample upload
- ✓ Results within 30 seconds of image upload
- ✓ Automated weather and geolocation data tracking and archiving
- ✓ Database creation, storage and management
- ✓ Year-end reports on HAB drivers and trends

PRICING

COMPLETE STARTUP KIT

Startup kit includes ioLight microscope, accessories, sampling supplies and 1-year subscription to BloomOptix® AI

\$3,100

ANNUAL SUBSCRIPTION

BloomOptix® AI subscription only for users who already own an ioLight 2mm microscope

\$1,500

ADDITIONAL ACCOUNTS

For users who plan to add additional microscopes and users to their monitoring network

\$500 per account

Shipping charged at check out

Distributed by:



aquatic
sensors

- ★ Direct input in app design, functionality, and optimization
- ★ Direct support from our HAB experts
- ★ Support in setting up your monitoring network
- ★ Personalized user training

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