

# Short Form Catalogue

CheckLight's water safety solutions bring you the reliability you need to detect violations within minutes, **before damage is done!**



*CheckLight's comprehensive solution for water safety monitoring*

The **AquaVerity** solution is a revolutionary, early warning biomonitoring system that uses bioluminescence –based technology to detect contamination events in real-time. **AquaVerity** covers wide geographic areas and is sensitized to detect very low concentrations of a wide range of contaminants.

- ✓ **Wide coverage of contaminants**
- ✓ **Early warning detection**
- ✓ **Sensitivity to minor changes**
- ✓ **High-reliability**
- ✓ **Easy deployment and maintenance**

## The AquaVerity Solution Components



**CCB-TOX**  
Continuous  
Contamination  
Biomonitor

- On-line deployment for 24/7 toxicity monitoring
- Real-time contamination alerts
- Position CCB-TOX at strategic locations: Water sources, treatment facilities, community reservoirs or tanks
- Easy maintenance: Simple cartridge replacement once per month



**TOX-SPOT**  
Portable  
Biomonitor

- Rapid on-site screening and emergency response
- Self-contained kit with everything you need for field monitoring
- Immediate alert of high toxicity events



**TOX-SCREEN**  
Laboratory  
Biomonitor

- Fast and accurate results in a lab setting
- Easy to deploy and train
- Ideal for routine screening of multi-sampling points
- Detailed analysis of toxicity results



**CAS**  
Control and  
Analysis  
Software

Turning wide-ranging field data into actionable knowledge



**SIS**  
Support  
Implementation  
Service

Industry-expert consulting to help you launch and maintain your water safety infrastructure



**Special Early  
Warning Kits**

- Rapid solutions for testing Biochemical Oxygen Demand, microbial regrowth potential and more
- Test results in 3-4 hours

**Early AOC**

**Early AOC-DES**

**Early BOD**

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### Product Component Purchasing Units

#### CCB-TOX



- CCB-TOX toxicity monitor for on-location installation
- CCB monthly refill cartridge (reagents, bacteria, biofouling-prone elements)
- CAS software control - available either as ModBus interface to custom software, or as full software solution including UI

#### TOX-SPOT



- Complete TOX-SPOT chemical toxicity on-site test kit (includes all components listed below)
- Refill pack (bacteria, reagents, tubes, tips, caps)
- Portable luminometer
- PC software for luminometer
- Portable Incubator
- Pipettor
- Timer
- Hard-sided carrying case

#### TOX-SCREEN



- Complete TOX-SCREEN chemical toxicity laboratory test kit (includes all components listed below)
- Refill pack (bacteria, reagents, tubes)
- Luminometer
- PC software for luminometer
- Repeat dispenser – electronic motor-driven pipettor
- Carrying case

#### EARLY-AOC



- Complete Early-AOC kit for drinking water (includes all components listed below)
- Luminometer
- PC software for luminometer
- Refill pack (bacteria, reagents, tubes)
- Repeat dispenser – electronic motor-driven pipettor
- Carrying case

#### EARLY-BOD



- Complete Early-BOD kit for wastewater (includes all components listed below)
- Luminometer
- PC software for luminometer
- Refill pack (bacteria, reagents, tubes)
- Repeat dispenser – electronic motor-driven pipettor
- Carrying case

#### About CheckLight

Based on patented research, our scientist-founders have developed state-of-the-art microbial luminescence technology that detects and alerts on water safety risks.

Our products are deployed by water management authorities, government regulators and industries throughout Asia, Europe and North America.

**CheckLight** is a privately held corporation founded in 2001 by *Dr. Nirit Ulitzur*.

In 2008, Whitewater Group – a leading water technology firm in Israel – joined CheckLight as a strategic investor.

#### Our technology

**CheckLight** products are based on our unique luminous bacteria technologies, which utilize the bacteria as highly-sensitive and accurate biomonitors.

The principle is simple: changes in water quality lead to changes in emitted luminescence.

Our products empower you with custom-developed reagents that are easy to manage and deploy in the field and in the lab.

Unlike chemical test kits and monitors (which only target specific contaminants), our biomonitors detect a wide range of acute and chronic toxic agents, and discriminate between organic toxicants and cationic heavy metals.

#### Water Safety Applications

- Municipal Water Authorities
- Water Supply Corporations
- Industrial Water Processing
- Homeland Security
- Desalination
- Beverage
- Wastewater Treatment

