

## RECREATIONAL WATER ILLNESS (RWI)

**UNDETECTED Chlorine Resistant Pathogens and Disinfection Byproducts (DBPs)** are accountable for Recreational Water Illness (RWI) in TREATED Aquatic Facilities (**Fig 1**).

Both Laboratory and Field studies conducted to support stringent EPA Registration requirements demonstrated  $\geq 3$ -log reduction of *Cryptosporidium* in <30min.

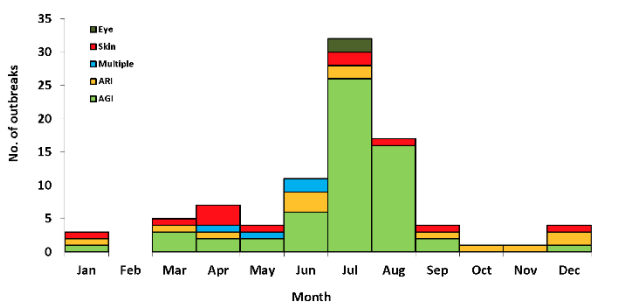
The same powerful effects are exerted on Biofilms, Bacteria and DBPs effectively mitigating RWI.

## CRYPTOLYTE® INTEGRATED SYSTEM

**Cryptolyte®** is coupled with an upgraded swimming pool controller (Chip upgrade), Cryptolyte® sensor & feed system resulting in an Integrated Chemical Feed & Process Control System. The Integrated System provides unprecedented capabilities including:

- **Controls, Confirms & Documents Remediation**
- **Provides Safe-Water Assurance to:**
  - **Owners**
  - **Management**
  - **Customers**
- **Remediates the ENTIRE System**
  - **Kills  $\geq 99.9\%$  *Cryptosporidium* <30min**
  - **Removes & Prevents Biofilms**
  - **Removes & Inhibits DBPs**
  - **Removes & Prevents Algae (All Forms)**

FIGURE 3. Recreational Water-associated Outbreaks, by Predominant Illness\* and Month — United States, 2011–2012



Abbreviations/Terms: AGI: acute gastrointestinal illness; ARI: acute respiratory illness; Eye: illness, condition or symptom related to eyes; Multiple: a combination of predominant illnesses; Skin: illness, condition or symptom related to skin.  
\* n=90; The category of illness reported by >50% of ill respondents.



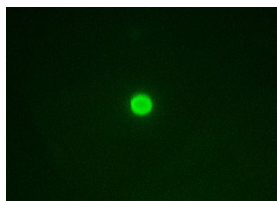
Fig 1. Centers for Disease Control and Prevention

## MITIGATING RWI

**Cryptolyte®** comprises **PATENTED** technology specifically developed to address the underlying causes of RWI.

**Cryptolyte®** is a **NEW EPA Approved Disinfectant** that is used in conjunction with existing chlorine treatments.

**Cryptolyte®** rapidly penetrates the protective membranes of **chlorine resistant *Cryptosporidium* oocyst** compromising the protective membrane and killing the sporozoites within.



Before Cryptolyte®  
Crypto oocyst  
1000x Epifluorescence



After Cryptolyte®  
Remnants of Crypto oocyst  
1000x Epifluorescence



Certified to  
NSF/ANSI Standard 60



Certified to  
NSF/ANSI Standard 50

