

Management of Legionella Risks on Ships



Providing experienced UKAS¹ accredited microbiology sampling and testing – experts in water quality management.

Management of Legionella Risk and Potable Water Quality on Vessels

Contaminated water can become a serious hazard where there is a risk of ingestion or inhalation of bacteriological or chemicals contaminants from the water system. If not properly managed, this can result in serious illness of staff and significant costs associated with remediation and operational downtime.

Fugro EMU Limited offers quality assured monitoring services to ensure ships implement an efficient monitoring plan to ensure compliance with HSE legislation and supporting efficient operations. Services include:

- Advice and support in preparing monitoring plans
- Provision of sample kits
- Provision of UKAS¹ accredited water sampling
- UKAS accredited legionella pneumophila analysis
- Total viable counts (TVC)
- Chemical analysis
- Interpretation of results

Fugro EMU Laboratories Specialise in Testing:

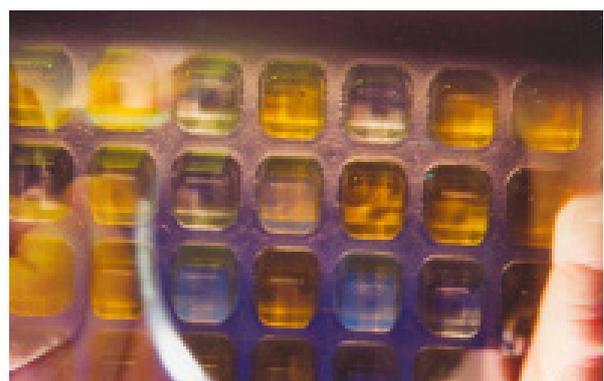
- Swimming pools and spas
- Hot and cold water systems
- Potable and bottled water
- Bathing and recreational waters
- Shellfish waters
- Coastal waters and estuaries
- Wastewater treatment and trade effluents
- Surface waters, freshwater and rivers
- Ships water systems
- Cooling towers
- Environmental tracer studies and catchment surveys



Water sampling



Microbiological analysis



Pseudomonas aeruginosa

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Experts in Ships Water Sampling and Analysis

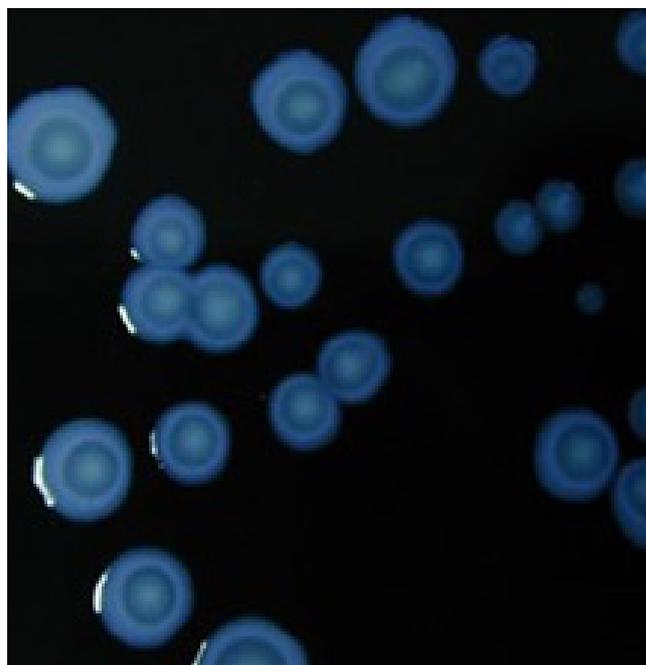
Shipboard water quality should reach the quality standards laid out by the HPA or ShipSan. Whilst international regulations require ports to provide a source of potable water, the maintenance of water quality on-board should also be monitored.

Fugro EMU offers independent sampling and testing services to major cruise operators in the UK, testing stored and potable water sources for microbiological and chemical suites, including sampling and testing for Legionella. Fugro EMU also offers testing and analysis of the swimming pools and spas on-board these vessels.

Legionella Testing

Fugro EMU laboratories offer a UKAS¹ accredited analytical service for Legionella control that satisfies the requirements of the HSE's Approved Code of Practice and Guidance on Legionella Control, "Legionnaires' Disease: The Control of Legionella Bacteria in Water Systems (L8)".

We recognise the need for efficient reporting of test results and therefore offer a flexible 7 day per week testing with quick turnaround of results. We offer a range of flexible analysis solutions to meet your requirements including sampling and postal / courier options.



Swimming Pools

Pool managers are responsible for ensuring that, as far as is reasonably practicable, persons using their facility are not exposed to risks to their health or safety (Health and Safety at Work Act 1974 and Control of Substances Hazardous to Health Regulations 1994).

Fugro EMU's UKAS¹ accredited microbiology group carry out monthly swimming pool sampling and analysis to identify microbiological determinants that pose a threat to public health and safety. Monthly sampling is recognized as best practice (BSI Code of Practice PAS39:2003) to help identify trends in water quality and manage the pool.

Where bacteria are detected above guideline levels, the pool manager is able to carry out remedial procedures to prevent deterioration in pool water quality which may endanger bathers.

¹ - a UKAS accredited testing laboratory No. 1272

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