



Mercian
Science

LEGIONELLA OUTBREAK Emergency Plan of Action

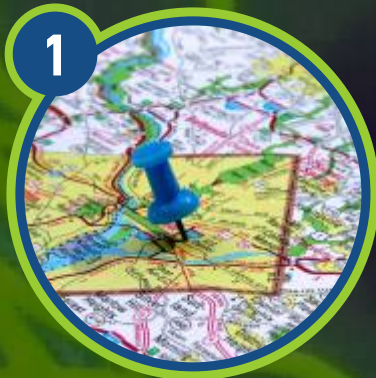
The fastest and most efficient
Legionella control service

Mercian Science has spent three years developing the unique and ultra sensitive Rapid Legionella test method Fastek™.

Fastek™ analysis is fully UKAS accredited and enables environmental water samples to be tested for Legionella serological groups 1-15 with results available in four hours. Fastek™ not only detects viable and non viable Legionella it also identifies viable non culturable Legionella which are not recognised by conventional testing.

The capabilities of Fastek™ form the basis of our emergency Plan of Action in the event of an Outbreak of Legionellosis.

Emergency Plan of Action - Legionella Outbreak



1
Outbreak identified and reported.



2
Mercian Science arrive on site within 24 hours.



In the event of potential legal actions duplicate samples will be taken and a chain of custody established

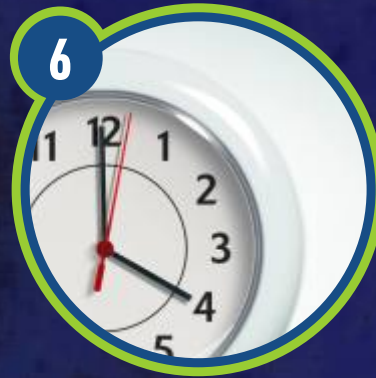
3
Sample numbers and locations agreed.



4
Environmental samples delivered to Mercian Laboratory, or mobile laboratory facility.



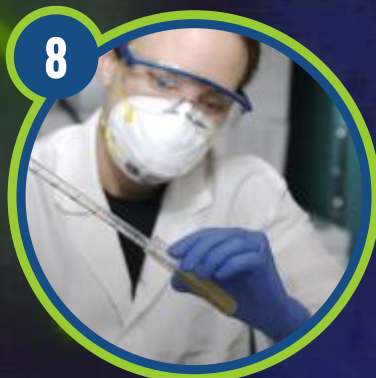
5
Rapid Legionella tests undertaken on all samples



6
Results available in 4 hours



7
If appropriate, Mercian Science isolate positive systems, clean and chlorinate immediately.



8
Retest all cleaned systems



9
Results confirmed as negative. All clear issued.

The all clear, even in the event of positive results, should be accomplished within a 24 hour period of the arrival on site of the Mercian Science representative

Footnote: This would not be possible with the traditional 10 – 14 day method. Without the rapid method, in the event of an outbreak the only likely alternative would be to clean and chlorinate every potentially suspect system. This would be time consuming and costly. Even then, with retesting it would be another 10 – 14 days before the systems could be passed as free from Legionella.

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