

BD™ Legionella Testing

BD Media for Legionella and Water Testing



Helping all people
live healthy lives

Complies with International Standards

Legionella

Background, habitat and transmission

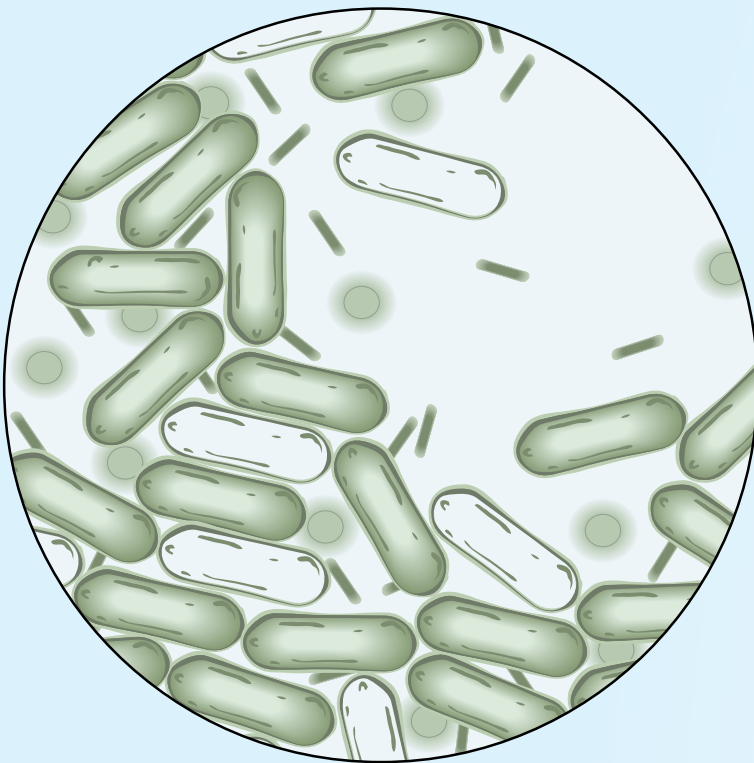
Legionellosis

Discovered in 1976 following the deaths of 40 Legionnaires attending a USA congress, *Legionella pneumophila* was identified in 1977 by the C.D.C. (Center for Disease Control), and has been in the headlines all too often since then. These bacteria are regularly found to be responsible for severe, sometimes fatal, human pneumopathy epidemics

The Legionella genus includes over 50 species and approximately 64 serogroups. The majority of species have been isolated both in humans and in the environment. Legionella have an intracellular development in protozoa such as amoebas and in biofilms, which makes them very resistant.

The bacterial reservoir is essentially water-based. Legionella are widespread in the environment (surface water, lakes, waterways). Optimal development conditions for legionellosis combine soft water with a temperature of 35-40° C. Legionella are found in drinking water distribution systems (hot water for sanitary purposes, cooling towers and establishments receiving the public (hotels, campsites, etc.).

Legionnaires' disease is caused by the inhalation of aerosols from water colonized by Legionella. Water from cooling towers and hot water systems for sanitary purposes represent the main carriers of contamination. In addition, risk prevention involves regular monitoring for Legionella in water in all its forms: - Industrial environment, - Hospital environment, - Natural ecosystems, - Artificial water networks.



Increasingly Severe Regulations

Regulations relating to Legionella in water are subject to constant change and vary between countries. European regulations (European Guidelines for Control and Prevention of Travel Associated Legionnaires' Disease) were published in January 2005.

The international standard ISO 11731 is the recognized method ISO 11731: 1998 "Detection and enumeration of Legionella" and ISO 11731-2: 2004 "Direct membrane filtration method for water with low bacterial counts"



BD Legionella and Water Testing Media

Media Selection Guide

Catalog Number	Description	Pack Size
212327	BCYE Agar Base (Dehydrated)	500 g
233901	Legionella Agar Enrichment	6 x 5 ml
257007	Legionella GVPC Medium	20 plates
257586	Legionella GVPC Medium	120 plates
221808	Legionella BCYE Agar Plates	10 plates
257321	Legionella BCYE Agar Plates	120 plates
254414	Legionella BCYE Agar with Vancomycin and Colistin	20 plates
254543	Legionella BCYE Agar with Vancomycin and Colistin	120 plates
257542	Legionella MWY Agar	120 plates
254549	Legionella BCYE Agar with L-Cysteine and Antibiotics (conforms NEN)	120 plates
254550	Legionella BCYE Agar without Antibiotics (conforms NEN)	120 plates
254552	Legionella BCYE Agar without L-Cysteine (conform NEN)	120 plates



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