Certificate

Validation of analysis methods

NF148 – Application to water

Certificate No.: BRD 07/16-12/07
Extension decision dated: 02-10-2023
Expiry date: 18-12-2027

The Company:

BIO-RAD
3 Boulevard Raymond Poincaré
92430 Marnes La Coquette - France

Is authorized to affix the NF VALIDATION mark on the analysis method cited below, in accordance with the NF VALIDATION general rules and the certification rules NF148 - Validation of alternative analysis methods (Application to water):

iQ-Check® *Legionella pneumophila*

Validated for the detection and the quantification of *Legionella pneumophila*

Technical sheet reference's	10000246805 **Ver B**

This decision attests that the analysis method has been assessed by AFNOR Certification and found to conform to the standards cited in page 2/2 and complementary requirements, as specified in the certification reference document. The **principal certified characteristics** are the "analytical performances" as defined in the associated validation study summarized report (linearity, relative accuracy, limit of detection and quantification…), available on the certification dedicated website http://nf-validation.org/en.

This certificate supersedes all previous certificates (last version dated 26-09-2025). This NF VALIDATION certificate, included 2 pages, is valid until **December 18th, 2027**. It is subject to the results obtained upon regular controls carried out by AFNOR Certification. Appropriate decision is made by AFNOR Certification in accordance with the NF VALIDATION general rules and certification rules NF148 - Validation of alternative analysis methods (Application to water).

Managing Director of AFNOR Certification
Julien NIZRI

Issue dated 24-11-2026

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SAS au capital de 18 187 000 € - 479 076 002 RCS Bobigny - **www.afnor.org**

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Certificate No.: **BRD 07/16-12/07**
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The analysis method:

iQ-Check® *Legionella pneumophila*

Validated for the detection and the quantification of *Legionella pneumophila*

Manufactured by:

Bio-Rad Laboratories, Inc.
925 Alfred Nobel Drive
Hercules, California 94547 - USA

Has been certified according to the reference documents and the application scope specified here after:

Validation protocol	**NF VALIDATION - Validation of analysis methods: Application to water microbiology.** Validation protocol for commercial methods of detection and quantification of *Legionella* and *Legionella pneumophila* by concentration and gene amplification by polymerase chain reaction (PCR). Revision 3 (September 2015).
Reference method(s)	**NF T90-471** (June 2015): Water quality. Detection and quantification of *Legionella* and/or *Legionella pneumophila* by concentration and genic amplification by real time polymerase chain reaction (qPCR). **ISO/TS 12869** (April 2019): Water quality. Detection and quantification of *Legionella* spp. and/or *Legionella pneumophila* by concentration and genic amplification by quantitative polymerase chain reaction (qPCR).
Scope	Sampling all types of waters.
Restriction(s)	None.
Warning	None.
Other information	The scope includes the instruments Chromo4 (use with Opticon Monitor software v3.4), and also CFX96, CFX96 Deepwell Touch, CFX Opus 96 Real-Time PCR System, CFX Opus Deepweel Real-Time PCR System thermal cycler and CFX Duet Real-Time PCR System with CFX Manager IDE version 3.1 (and previous) software and CFX Maestro Industrial Diagnostic Edition (IDE) software version 4.1 (and previous).

Please send any queries concerning the performances of the certified alternative method to AFNOR Certification.

You may download the validation study **summarized report** on http://nf-validation.afnor.org/en.

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