# « Validation des méthodes d'analyse - Application à l'analyse de l'eau »

## *« Validation of analytical methods - Application to water analysis"*

## Liste des méthodes certifiées

## *List of certified methods*

## Date de validité de la liste / *List valid on* : 03-Juillet-2023 / 3rd-July-2023

## Annule et remplace la version précédente

## *Supersedes former version*

**Les certificats de validation et rapports de synthèse correspondant à ces méthodes sont disponibles auprès d'AFNOR Certification.**
***Validation certificates and summaries of study reports for certified methods are available by applying to* AFNOR Certification.**

**http://nf-validation.afnor.org - http://nf-validation.afnor.org/en**

AFNOR Certification est un organisme accrédité par le COFRAC sous le N° 5-0030, portée disponible sur www.cofrac.fr.

| | | | |
|---|---|---|---|
| Société Titulaire de la certification :<br>*Company holder of the certification :* | **BIO-RAD**<br>3 Bd Raymond Poincaré<br>92430 Marnes La Coquette<br>FRANCE | Site de production :<br>*Site of production :* | **BIO-RAD Laboratories**<br>2000 Alfred Nobel Drive<br>California 94547, Hercules<br>USA |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
|---|---|---|---|---|---|
| **BRD 07/15-12/07** | IQ-CHECK *LEGIONELLA* SPP | DÉTECTION ET QUANTIFICATION DE *LEGIONELLA* SPP.<br><br>*DETECTION AND QUANTIFICATION OF LEGIONELLA* SPP. | TOUS TYPES D'EAU<br><br>*ALL TYPES OF WATERS* | 18.12.2007<br><br>RECONDUCTION/RENEWAL:<br>10.06.2011<br>14.10.2015<br>09.12.2019<br>07.06.2023<br><br>EXTENSION:<br>04.04.2012 | 18.12.2027 |
| **BRD 07/16-12/07** | IQ-CHECK *LEGIONELLA PNEUMOPHILA* | DÉTECTION ET QUANTIFICATION DE *LEGIONELLA PNEUMOPHILA*<br><br>*DETECTION AND QUANTIFICATION OF LEGIONELLA PNEUMOPHILA* | TOUS TYPES D'EAU<br><br>*ALL TYPES OF WATERS* | 18.12.2007<br><br>RECONDUCTION/RENEWAL:<br>10.06.2011<br>14.10.2015<br>09.12.2019<br>07.06.2023<br><br>EXTENSION:<br>04.04.2012 | 18.12.2027 |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for commercial methods of detection & quantification of *Legionella* spp. & *Legionella pneumophila* by PCR (based onto the standards ISO/TS 12869 and NF T90-471). ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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|---|---|---|---|
| Société Titulaire de la certification :<br>*Company holder of the certification :* | **BIO-RAD**<br>3 Bd Raymond Poincaré<br>92430 Marnes La Coquette<br>FRANCE | Site de production :<br>*Site of production :* | **SY-LAB Geraete GmbH.**<br>Tullnerbachstr. 61-65<br>A 3011 Neupurkersdorf<br>AUTRICHE |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
|---|---|---|---|---|---|
| **BRD 07/19-11/09** | XPLORER64 / CHECKN'SAFE<br>*ENTEROCCOCCI* | DENOMBREMENT DES *ENTEROCOCCI*<br><br>*ENUMERATION OF ENTEROCOCCI* | "EAUX DE BAIGNADE (EAUX DOUCE ET EAUX DE MER)" ET "EAUX DE REJET, RESIDUAIRES BRUTES ET TRAITEES"<br><br>*"BATHING WATER (FRESH WATER AND SEA WATER)" AND "WASTE WATERS, RAW AND PROCESSED WASTE WATER"* | 06.11.2009<br><br>EXTENSION:<br>10.06.2011<br><br>RECONDUCTION/RENEWAL:<br>13.05.2014<br>10.10.2017<br>27.09.2021 | **06.11.2025** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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|---|---|---|---|
| Société Titulaire de la certification :<br>*Company holder of the certification :* | **BIO-RAD**<br>3 Bd Raymond Poincaré<br>92430 Marnes La Coquette<br>FRANCE | Site de production :<br>*Site of production :* | **BIO-RAD**<br>Route de Cassel<br>59114 Steenvoorde<br>FRANCE |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
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| **BRD 07/20-03/11** | RAPID'*E. COLI* 2 + SUPPLEMENT CONTROLE DES EAUX / *SUPPLEMENT WATER TESTING* | DENOMBREMENT DES BACTERIES COLIFORMES ß-GALACTOSIDASE POSITIVE ET DES *ESCHERICHIA COLI* ß-GLUCURONIDASE POSITIVE<br><br>*ENUMERATION OF ß-GALACTOSIDASE POSITIVE COLIFORM BACTERIA AND ESCHERICHIA COLI ß-GLUCURONIDASE POSITIVE* | EAUX DESTINEES A LA CONSOMMATION HUMAINE<br><br>*WATER FOR HUMAN CONSUMPTION* | 29.03.2011<br><br>RECONDUCTION/*RENEWAL*:<br>09.06.2015<br>25.03.2019<br>16.03.2023 | **29.03.2027** |
| **BRD 07/21-04/12** | RAPID'*P. AERUGINOSA* AGAR | DENOMBREMENT DE *PSEUDOMONAS AERUGINOSA*<br><br>*ENUMERATION OF PSEUDOMONAS AERUGINOSA* | EAUX EMBOUTEILLEES<br><br>*BOTTLED WATERS* | 05.04.2012<br><br>RECONDUCTION/*RENEWAL*:<br>11.03.2016<br>10.03.2020<br><br>EXTENSION:<br>10.12.2021 | **05.04.2024** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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|---|---|---|---|
| Société Titulaire de la certification et site de production : *Company holder of the certification and site of production :* | **IDEXX Laboratories Inc.**<br>1 IDEXX Drive<br>Maine 04092, Westbrook<br>USA | Représentée en Europe par : *Represented in Europe by :* | **IDEXX Laboratories**<br>84 rue Charles Michels<br>Bâtiment A<br>93200 Saint Denis<br>FRANCE |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
|---|---|---|---|---|---|
| **IDX 33/01-11/09** | COLILERT-18® / QUANTI-TRAY® | DENOMBREMENT DES COLIFORMES ß-GALACTOSIDASE POSITIVE ET DES *ESCHERICHIA COLI* ß-GLUCURONIDASE POSITIVE<br><br>*ENUMERATION OF ß-GALACTOSIDASE POSITIVE COLIFORM BACTERIA AND ESCHERICHIA COLI ß-GLUCURONIDASE POSITIVE* | EAUX DESTINEES A LA CONSOMMATION HUMAINE (HORS EAUX EMBOUTEILLEES)<br><br>*DRINKING WATERS FOR HUMAN CONSUMPTION (EXCEPT BOTTLED WATERS)* | 06.11.2009<br><br>RECONDUCTION/*RENEWAL*:<br>10.10.2013<br>10.10.2017<br>27.09.2021 | **06.11.2025** |
| **IDX 33/02-06/12** | COLILERT-18® / QUANTI-TRAY® OU (*OR*) QUANTI-TRAY®2000 | DENOMBREMENT DES *ESCHERICHIA COLI* ß-GLUCURONIDASE POSITIVE<br><br>*ENUMERATION OF ESCHERICHIA COLI ß-GLUCURONIDASE POSITIVE* | EAUX DE BAIGNADE (EAUX DOUCE ET EAUX DE MER)<br><br>*BATHING WATER (FRESH WATER AND MARINE WATER)* | 19.06.2012<br><br>RECONDUCTION/*RENEWAL*:<br>01.06.2016<br>02.06.2020 | **19.06.2024** |
| **IDX 33/03-10/13** | ENTEROLERT-DW® / QUANTI-TRAY® | DENOMBREMENT DES ENTEROCOQUES INTESTINAUX<br><br>*ENUMERATION OF INTESTINAL ENTEROCOCCI* | EAUX DESTINEES A LA CONSOMMATION HUMAINE (HORS EAUX EMBOUTEILLEES)<br><br>*DRINKING WATER FOR HUMAN CONSUMPTION (EXCEPT BOTTLED WATERS )* | 10.10.2013<br><br>RECONDUCTION/*RENEWAL*:<br>10.10.2017<br>27.09.2021<br><br>EXTENSION:<br>08.03.2023 | **10.10.2025** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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| Société Titulaire de la certification et site de production : *Company holder of the certification and site of production :* | **IDEXX Laboratories Inc.**<br>1 IDEXX Drive<br>Maine 04092, Westbrook<br>USA | Représentée en Europe par : *Represented in Europe by :* | **IDEXX Laboratories**<br>84 rue Charles Michels<br>Bâtiment A<br>93200 Saint-Denis<br>FRANCE |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
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| **IDX 33/04-02/15** | ENTEROLERT-E ® / QUANTI-TRAY® OU QUANTI-TRAY 2000® | DENOMBREMENT DES ENTEROCOQUES INTESTINAUX<br>*ENUMERATION OF INTESTINAL ENTEROCOCCI* | EAUX DE BAIGNADES (EAUX DOUCES ET EAUX DE MER)<br>*BATHING WATERS (FRESH WATER AND MARINE WATER)* | 26.02.2015<br>RECONDUCTION/*RENEWAL*:<br>12.10.2018<br>04.10.2022 | **26.02.2027** |
| **IDX 33/05-03/16** | PSEUDALERT® / QUANTI-TRAY® | DENOMBREMENT DE *PSEUDOMONAS AERUGINOSA* | "EAUX DESTINEES A LA CONSOMMATION HUMAINE" ET "EAUX DE PISCINE"<br>*"WATERS FOR HUMAN CONSUMPTION" AND "SWIMMING POOL WATER"* | 11.03.2016<br>RECONDUCTION/*RENEWAL*:<br>10.03.2020 | **11.03.2024** |
| **IDX 33/06-06/19** | LEGIOLERT/QUANTI -TRAY LEGIOLERT | DENOMBREMENT DES *LEGIONELLA PNEUMOPHILA* | "EAUX DE CONSOMMATION HUMAINE "ET "EAUX INDUSTRIELLES"<br>*"WATERS FOR HUMAN CONSUMPTION "AND "INDUSTRIAL WATERS"* | 18.06.2019<br>RECONDUCTION/*RENEWAL*:<br>08.03.2023 | **18.06.2027** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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| Société Titulaire de la certification et site de production : *Company holder of the certification and site of production :* | **IDEXX Laboratories Inc.**<br>1 IDEXX Drive<br>Maine 04092, Westbrook<br>USA | Représentée en Europe par : *Represented in Europe by :* | **IDEXX Laboratories**<br>84 rue Charles Michels<br>Bâtiment A<br>93200 Saint-Denis<br>FRANCE |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
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| **IDX 33/09-03/22** | EASYDISC YEA | DENOMBREMENT DES MICRO-ORGANISMES REVIVIFIABLES<br><br>*ENUMERATION OF CULTURAL MICRO-ORGANISMS* | "EAUX DESTINEES A LA CONSOMMATION HUMAINE"<br><br>*"WATERS FOR HUMAN CONSUMPTION"* | 08.03.2022 | **08.03.2026** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

Société Titulaire de la certification et site de production:
*Company holder of the certification and site of production:*

**Pall GeneDisc Technologies**
1, rue du Courtil
Centre d'affaires CICEA
35170 Bruz
FRANCE

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
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| **GEN 25/03-12/07** | GENEDISC® *LEGIONELLA* SPP | DETECTION ET QUANTIFICATION DES *LEGIONELLA* SPP.<br>*DETECTION AND QUANTIFICATION OF LEGIONELLA SPP.* | TOUS TYPES D'EAU<br>*ALL TYPES OF WATERS* | 18.12.2007<br>RECONDUCTION/ RENEWAL:<br>04.04.2012<br>16.12.2015<br>09.12.2019<br>EXTENSION:<br>25.03.2009<br>04.04.2012<br>16.12.2015<br>12.10.2018 | **18.12.2023** |
| **GEN 25/04-12/07** | GENEDISC® *LEGIONELLA PNEUMOPHILA* | DETECTION ET QUANTIFICATION DES *LEGIONELLA PNEUMOPHILA*<br>*DETECTION AND QUANTIFICATION OF LEGIONELLA* PNEUMOPHILA | TOUS TYPES D'EAU<br>*ALL TYPES OF WATERS* | 18.12.2007<br>RECONDUCTION/ RENEWAL:<br>04.04.2012<br>16.12.2015<br>09.12.2019<br>EXTENSION:<br>25.03.2009<br>04.04.2012<br>16.12.2015<br>12.10.2018 | **18.12.2023** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for commercial methods of detection & quantification of *Legionella* spp. & *Legionella pneumophila* by PCR (based onto the standards ISO/TS 12869 and NF T90-471). ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

Société Titulaire de la certification :
*Company holder of the certification :*

**SOLABIA SAS**
29, Rue Délizy
93698 Pantin Cedex
FRANCE

Site de production :
*Site of production :*

**SOLABIA SAS**
ZAC de Ther –Allonne
Rue des 40 mines – BP 10245
60002 Beauvais Cedex
FRANCE

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
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| **BKR 23/08-06/12** | COMPASS® *cc* Agar | DENOMBREMENT DES COLIFORMES ß-GALACTOSIDASE POSITIVE ET DES *ESCHERICHIA COLI* ß-GLUCURONIDASE POSITIVE<br><br>*ENUMERATION OF ß-GALACTOSIDASE POSITIVE COLIFORM BACTERIA AND ESCHERICHIA COLI ß-GLUCURONIDASE POSITIVE* | EAUX DESTINEES A LA CONSOMMATION HUMAINE<br><br>*WATER FOR HUMAN CONSUMPTION* | 19.06.2012<br><br>RECONDUCTION/RENEWAL:<br>01.06.2016<br>02.06.2020 | **19.06.2024** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for an alternative commercial method as compared with a reference method. ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

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| Société Titulaire de la certification et site de production: *Company holder of the certification and site of production:* | **DIATHEVA S.R.L**<br>Via sant'anna Cartoceto 131-135<br>61030 (PU)<br>ITALY |

| N° certificat / *Certificate* | Référence commerciale / *Commercial name* | Type de méthode / *Aim of method* | Domaine d'application / *Validation scope* | Date de certification / *Certification date* | Fin de validité / *End of Validity* |
|---|---|---|---|---|---|
| **DTV 41/01-12/19** | DI-CHECK LEGIONELLA PNEUMOPHILA | DETECTION ET QUANTIFICATION DE *LEGIONELLA PNEUMOPHILA*<br>*DETECTION AND QUANTIFICATION OF LEGIONELLA PNEUMOPHILA* | TOUS TYPES D'EAU<br>*ALL TYPES OF WATERS* | 04.12.2019 | **04.12.2023** |

Note: i) Validation study done in accordance with the NF VALIDATION protocol for commercial methods of detection & quantification of *Legionella* spp. & *Legionella pneumophila* by PCR (based onto the standards ISO/TS 12869 and NF T90-471). ii) Modifications on the certification validity and/or approved scope compared to previous version of list of products certified are identified in color.

**LISTE DES MÉTHODES SOUS MARQUE « NF VALIDATION » PAR GERME CIBLE ET TYPE DE MÉTHODE**
***LIST OF METHODS CERTIFIED "NF VALIDATION" PER TARGET STRAIN AND TYPE OF METHOD***

| ***LEGIONELLA* SPP. & *LEGIONELLA PNEUMOPHILA***<br>NF T90-471& ISO/TS 12869 |
|---|
| **METHODES MOLECULAIRES/*MOLECULAR METHODS*** |
| iQ-Check *Legionella* spp. |
| iQ-Check *Legionella pneumophila* |
| GeneDisc *Legionella* spp. |
| GeneDisc *Legionella pneumophila* |
| DI-CHECK Legionella pneumophila |

| ***LEGIONELLA* SPP. & *LEGIONELLA PNEUMOPHILA***<br>NF T90-431, ISO 11731& ISO 11731-2 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| | | | Legiolert® /Quanti-Tray® Legiolert |

(*): Domaine d'application restreint en fonction de la méthode prise en référence (se reporter au certificat NF VALIDATION correspondant pour plus d'informations)
*(*): Validation scope restricted depending on the method taken as a reference (refer to the NF VALIDATION certificate for more details)*

| ***E. COLI & COLIFORMES / COLIFORMS*** NF EN ISO 9308-1 (VERSION 2000) | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| COMPASS® cc Agar<br>RAPID'*E. coli* 2 + Supplement Water Testing | | | Colilert-18® / Quanti-Tray® (for drinking water) |

| ***E. COLI*** NF EN ISO 9308-3 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| | | | Colilert-18® / Quanti-Tray® or Quanti-Tray® 2000 (for bathing water) |

| ***ENTEROCOQUES INTESTINAUX / INTESTINAL ENTEROCOCCI*** NF EN ISO 7899-1 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| | | XplOrer64™ / CheckN'Safe™ *Enterococci* | Enterolert-E® / Quanti-Tray® or Quanti-Tray® 2000 |

| ***ENTEROCOQUES INTESTINAUX / INTESTINAL ENTEROCOCCI*** NF EN ISO 7899-2 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| | | | Enterolert-DW®/Quanti-Tray® |

| ***PSEUDOMONAS AERUGINOSA*** NF EN ISO 16266 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| RAPID'*P. aeruginosa* Agar | | | Pseudalert® / Quanti-Tray® |

| ***MICRO-ORGANISMES REVIVIFIABLES*** NF EN ISO 6222 | | | |
|---|---|---|---|
| **MILIEUX DE CULTURE / *CULTURE MEDIA*** | **METHODES MOLECULAIRES/ *MOLECULAR METHODS*** | **IMPÉDANCEMÉTRIE/ *IMPEDANCE MEASUREMENT*** | **COLORIMÉTRIE ET FLUORIMÉTRIE/ *COLORIMETRY AND FLUORIMETRY*** |
| EasyDisc YEA | | | |


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