

May 28, 2024



TaqMan qPCR INRAE eWHALE

DOI

dx.doi.org/10.17504/protocols.io.kqdg3xj87g25/v1

Teddy Urvois¹, Anne-Laure Besnard¹, Erwan Quéméré¹

¹INRAE - DECOD



Teddy Urvois

INRAE - DECOD

OPEN ACCESS



DOI: dx.doi.org/10.17504/protocols.io.kqdg3xj87g25/v1

Protocol Citation: Teddy Urvois, Anne-Laure Besnard, Erwan Quéméré 2024. TaqMan qPCR INRAE eWHALE . **protocols.io** https://dx.doi.org/10.17504/protocols.io.kqdg3xj87g25/v1

License: This is an open access protocol distributed under the terms of the <u>Creative Commons Attribution License</u>, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working We use this protocol and it's

working

Created: February 15, 2024

Last Modified: May 28, 2024

Protocol Integer ID: 95292

Abstract

Protocol for the TaqMan assay used by INRAE team in eWHALE ring test study

Materials

- Pipettes: monochannel p20, p100, p200, p1000, multichannel p20 and corresponding filter tips
- 1.5 mL microcentrifuge tubes



Before start

Lab work:

Put all equipment (micropipettes, disposable tips, microtubes, molecular grade water, qPCR plate) in UV cabinet and light UV for 20 mins.

Thaw, vortex and spin samples.

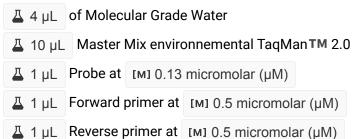
Thaw and vortex Master Mix environnemental TaqManTM 2.0.



Master mix preparation

Determine the number of reactions, including negative controls and NTCs. Add 2-3 reactions to have margin for pipetting error.

Prepare the Master mix according following this volume for 1 reaction:



Vortex and spin.



2m

2 Add \perp 17 μ L of Master mix.

2m

Seal the plate with qPCR plate seal and centrifuge briefly (00:02:00 at 2000g).

qPCR

11m 20s

11m 20s

Put the plate in the thermal cycler. qPCR is performed with an initial denaturation at \$\circ\$ 95 °C for \$\circ\$ 00:10:00 followed by 49 cycles of \$\circ\$ 00:00:30 at \$\circ\$ 95 °C and \$\circ\$ 00:00:50 at \$\circ\$ 60 °C .