

Wolbachia FtsZ qPCR Forward Primer

Catalog No. NR-42627

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Contributor:

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Manufacturer:

Integrated DNA Technologies, Inc. (IDT[®])

Product Description:

The FtsZ qPCR forward primer FtsZ-(F)-291 is a 20 nucleotide primer designed to amplify a 187 nucleotide region of the *Wolbachia* FtsZ gene when paired with the FtsZ reverse primer FtsZ-(R)-477 (NR-42628). The FtsZ gene encodes a GTPase essential for cell division. The FtsZ-(F)-291 and FtsZ-(R)-477 primers are designed for quantitative PCR (qPCR). The sequence of FtsZ-(F)-291 is 5'-TGAAGGTGTGCGCCGTATGC-3'.²

Material Provided:

Each vial contains approximately 20 µL of forward primer in nuclease-free TE buffer (1 mM Tris-HCl, 0.1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis.

Packaging/Storage:

Primers were packaged aseptically in plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was provided by the NIH/NIAID Filariasis Research Reagent Resource Center for distribution by BEI Resources, NIAID, NIH: *Wolbachia* FtsZ qPCR Forward Primer, NR-42627."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in](#)

[Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

1. Michalski, M. L., et al. "The NIH-NIAID Filariasis Research Reagent Resource Center." [PLoS Negl. Trop. Dis.](#) 5 (2011): e1261. PubMed: 22140585.
2. Williams, S.A., Personal Communication.

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