

TaqPath™ 1-Step RT-qPCR Master Mix, CG

Doc. Part no. 100020171

Pub. no. MAN0007775

Rev: 1.00

Catalog No.	Quantity	Storage condition
A15299	5 × 1 mL	Store at -25°C to -15°C ^[1]
A15300	1 × 10 mL	

^[1] The TaqPath™ 1-Step RT-qPCR Master Mix will not freeze at -20°C; gelling may occur.

Prepare the samples

TaqPath™ 1-Step RT-qPCR Master Mix is supplied at a 4X concentration, refer to the *TaqPath™ 1-Step RT-qPCR Master Mix User Guide* (MAN0007959) for detailed procedures.

Note: You can use this protocol for both RNA and DNA targets. During thermal cycling, the reverse transcription step will not affect performance with DNA targets.

Reaction volumes

Component	Volume for one reaction	Final concentration*
TaqPath™ 1-Step RT-qPCR Master Mix (4X)	5 µL	1X
Target-specific primers & probe	1 µL	1X
Sample	Variable	100 ng to 1 pg
RT-qPCR Grade Water	Variable	—
Total volume per reaction	20 µL	

* vortex briefly and spin down after addition of all components to ensure complete mixing.

RT-qPCR thermal cycling parameters

Step	Stage	No. of cycles	Temperature	Time
UNG incubation	1	1	25°C	2 minutes
RT incubation	2	1	50°C	15 minutes
Enzyme activation	3	1	95°C	2 minutes
Amplification	4	40	95°C	3 seconds
			60°C	30 seconds

For Laboratory Use.

Safety Information

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from www.lifetechnologies.com/support.

Limited Use Label License No. 475: General Purpose Reagents

Notice to Purchaser: The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product only to perform internal research and development for the sole benefit of the purchaser. No right to transfer or resell this product or any of its components is conveyed expressly, by implication, or by estoppel. This product is for internal research and development purposes only and is not for use in commercial applications of any kind, including, without limitation, quality control and commercial services such as reporting the results of purchaser's activities for a fee or other form of consideration. For obtaining additional rights, please contact outlicensing@lifetech.com or Out Licensing, Life Technologies, 5791 Van Allen Way, Carlsbad, California 92008.

Limited Use Label License No. 469: PCR (Roche Intellectual Property) General Purpose Reagent

Notice to Purchaser: For research use only. Diagnostic uses require a separate license from Roche Molecular Systems.

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704.

For Laboratory Use.

The information in this guide is subject to change without notice.

DISCLAIMER: LIFE TECHNOLOGIES CORPORATION AND/OR ITS AFFILIATE(S) DISCLAIM ALL WARRANTIES WITH RESPECT TO THIS DOCUMENT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. TO THE EXTENT ALLOWED BY LAW, IN NO EVENT SHALL LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) BE LIABLE, WHETHER IN CONTRACT, TORT, WARRANTY, OR UNDER ANY STATUTE OR ON ANY OTHER BASIS FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO THE USE THEREOF.

© 2013 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation and/or its affiliate(s) or their respective owners.

For support visit lifetechnologies.com/support or email techsupport@lifetech.com

lifetechnologies.com

20 June 2013

