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Applied Biosystems™

AgPath-ID™ One-Step RT-PCR Reagents

AgPath-ID™ One-Step RT-PCR Reagents are designed for sensitive, robust amplification of RNA targets using a rapid single-tube TaqMan™ real-time reverse transcription PCR (RT-PCR) strategy.

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Catalog Number	No. of Reactions
AM1005	100 Reactions
4387424	500 Reactions
4387391	1000 Reactions

Price (MDL)

-

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No. of Reactions:

100 Reactions

Product Overview



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AgPath-ID™ One-Step RT-PCR Reagents are designed for sensitive, robust amplification of RNA targets using a rapid single-tube TaqMan™ real-time reverse transcription PCR (RT-PCR) strategy.

- Recommended for RNA pathogen amplification
- Consistent amplification of RNA targets with high specificity and sensitivity
- Optimized to work with your target-specific primers and probes
- Contains ROX for quantitative fluorescent signal normalization

AgPath-ID™ One-Step RT-PCR Reagents are configured for fast and simple reaction setup. The reactions are assembled in a single tube, minimizing sample handling errors and expediting set-up time. Once assembled, results are available in approximately one hour. The 25X RT-PCR Enzyme Mix included in the kit contains highly efficient ArrayScript™ Reverse Transcriptase, a mutant MMLV RT that produces high cDNA yields, and AmpliTaq Gold™ polymerase, the preferred hot-start DNA polymerase for specific target amplification. The 2X RT-PCR Buffer has been optimized for efficient, robust reverse transcription and PCR includes the passive reference dye, ROX™ Dye, for quantitative fluorescent signal normalization.

For Research Use Only.

Specifications

Description	Works on all AB platforms, but is optimized for the 7500.
Fidelity (vs. Taq)	25 X
For Use With (Equipment)	7500 System, 7500 Fast System, 7900HT System, StepOne™, StepOnePlus™, ViiA™ 7 System, QuantStudio™ 3, QuantStudio™ 5, QuantStudio™ 6 Flex, QuantStudio™ 7 Flex, QuantStudio 6 Pro, QuantStudio 7 Pro, QuantStudio™ 12k Flex, QuantStudio™ Absolute Q Digital PCR System
Format	Tube
No. of Reactions	100 Reactions
Passive Reference Dye	ROX (Pre-mixed)

Product Type	One-Step RT-PCR Reagent
Quantity	100 reactions
Reverse Transcriptase	ArrayScript™
Sample Type	RNA
Shipping Condition	Dry Ice
Sufficient For	100 Reactions
Volume	1.75 mL
Concentration	25X
Detection Method	Primer-probe
GC-Rich PCR Performance	High
PCR Method	1-step RT-qPCR
Reaction Speed	Standard
Unit Size	Each

Contents & Storage

Sufficient for 100 reactions of 25 µL, contains:

- 1375µL 2X RT-PCR Buffer
- 110µL 25X RT-PCR Enzyme Mix
- 1.75mL Nuclease-free Water.



Have questions about this product? Ask our AI assisted search.

Ask a question about this product.

for plate setup?

I am getting amplification in my no-template control (NTC) wells in my qPCR experiment. What is causing this?

What are the requirements for a standard curve qPCR experiment?

My amplification curves have a funny shape in my qPCR experiment. What is causing this?

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Frequently asked questions (FAQs)

- ▼
 With the AgPath-ID One-Step RT-PCR Reagents, I am getting signal detection in the no-template control (NTC) reaction. Why is this?
- ▼
 What can I do to improve the sensitivity of my qPCR assay?
- ▼
 How do I set the baseline for my qPCR experiment?
- ▼
 How do I set the threshold for my qPCR experiment?
- ▼
 I am not getting any amplification with my TaqMan Assay or SYBR Green primer set. What is causing this?

[View all AgPath-ID™ One-Step RT-PCR Reagents FAQs >](#)

Documents & Downloads

Certificates

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Lot #	Certificate Type	Date	Catalog Number(s)
2604340	Certificate of Analysis	May 20, 2026	4387391
2604170	Certificate of Analysis	May 04, 2026	4387424

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Apr 02, 2026

4387391

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Safety Data Sheets



Scientific Resources

Application Notes

 [Application Note: Evaluation of various RNA master mixes in animal health application](#)

Brochures

 [Flyer: Master mixes built for the specific needs of veterinary labs](#)

Flyers

 [Flyer: Master Mix to meet the specific needs of veterinary labs \(Japanese\)](#)

Vector Information

 [Fast and Reliable: Single-Tube Real-Time RT-PCR](#)

Product Information

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