

# AMV Reverse Transcriptase - 400rxns

For research purposes only. Not for use in diagnostic procedures for clinical purposes.  
FOR *IN VITRO* USE ONLY

**Cat. No. RT-001**

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## Product Description:

AMV Reverse Transcriptase for use in Isothermal Amplification.

## Stability:

Stable for a minimum of twelve months when stored at -80°C.

## Supplied Reagents:

1 tube of 100µl supplied in 20mM Tris-HCl (pH 7.5), 0.1mM EDTA, 1mM DTT, 200mM NaCl, 0.01% (v/v) Nonidet® P40, 50% (v/v) Glycerol.

## Usage:

A typical 25µl reaction would contain the following:

Component		Volume	Final concentration
Isothermal Master Mix	15.0µl	1x	
Primers	x µl	-	
Template	y µl	-	
AMV Reverse Transcriptase	0.25µl	0.25units	
<b>Total</b>	<b>25.0µl</b>		

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**OptiGene Ltd.**

**Typical amplification conditions for this kit are:**

Amplification	30mins	63°C
Anneal	98°C - 80°C - ramping at 0.1°C per minute	

**Note:**

We recommend the following Primer levels per 25µl reaction

F3 & B3	5pmol each primer
LoopF & LoopB	10pmol each primer
FIP & BIP	20pmol each primer

**Quality Control:**

The Reverse Transcriptase has been tested for performance in an RT-Loop-mediated Isothermal DNA amplification.

Manufactured in the UK

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