

Suggested cycling protocol :

cDNA Synthesis	42°C	30 minutes.	
Initial Denaturation	95°C	10 minutes	
Cycling	95°C	20 secs	40 – 45 cycles
	Annealing	30 secs	
	72°C extension	30 secs	
Final Extension	72°C	5 minutes	

Note: -- *In case of long or highly structured templates the initial cDNA synthesis step can be extended upto 60 minutes.*
-- *In case of low copy number the Cycling can be extended to 45 Cycles.*

Packing : The above X-AMP Universal Single Tube 2.5X RT/PCR PRE-MIX is available in convenient small packs as well as large packs for bulk users.

The X-AMP Universal Single Tube 2.5X RT/PCR PRE-MIX is supplied with an additional vial of DNase free water. Also RT/PCR Pre-mixes with various concentrations of MgCl₂ are available as mentioned below. Generally 2.5mM RT/PCR Pre-mix is considered as universal.

Pack size available :

Cat. No.	Product	Pack Size
110181	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 50 reactions of 50µl or 100 reactions of 25µl 1.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110182	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 100 reactions of 50µl or 200 reactions of 25µl 1.5 mM final Mg at 1 X Conc.	1ml x 2 (50 rxns 50µl)
110183	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 50 reactions of 50µl or 100 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110184	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 100 reactions of 50µl or 200 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110185	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 500 rxns of 50µl or 1000 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml x 10 (500 rxns 50µl)
110186	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 50 reactions of 50µl or 100 reactions of 25µl 3.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110187	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 100 reactions of 50µl or 200 reactions of 25µl 3.5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110188	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 50 reactions of 50µl or 100 reactions of 25µl 4 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110189	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 100 reactions of 50µl or 200 reactions of 25µl 4 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110190	X-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix: 100 reactions of 50µl or 200 reactions of 25µl 5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)

NOTE : For research use only. Not for use in Diagnostic or therapeutic procedures.
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