



**Suggested cycling protocol :**

cDNA Synthesis	50°C	15 minutes	
Initial Denaturation	95°C	5 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 to 30 minutes.
  - In case of gene specific primers if the Tm of the primers is above 55°C then the cDNA synthesis can be performed at 55°C also for 15 minutes.
  - In case of low copy number the Cycling can be extended to 45 Cycles.


**Packing :** The above Super-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 Super-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 MgCl<sub>2</sub> are available as mentioned below. Generally 2.5mM RT/PCR Pre-mix is considered as universal.

**Pack size available :**

Cat. No.	Product	Pack Size
110201	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 50 reactions of 50µl or 100 reactions of 25µl 1.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110202	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 100 reactions of 50µl or 200 reactions of 25µl 1.5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110203	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 50 reactions of 50µl or 100 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110204	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 100 reactions of 50µl or 200 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110205	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 500 rxns of 50µl or 1000 reactions of 25µl 2.5 mM final Mg at 1 X Conc.	1ml x 10 (500 rxns 50µl)
110206	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 50 reactions of 50µl or 100 reactions of 25µl 3.5 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110207	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 100 reactions of 50µl or 200 reactions of 25µl 3.5 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110208	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 50 reactions of 50µl or 100 reactions of 25µl 4 mM final Mg at 1 X Conc.	1ml (50 rxns 50µl)
110209	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 100 reactions of 50µl or 200 reactions of 25µl 4 mM final Mg at 1 X Conc.	1ml x 2 (100 rxns 50µl)
110210	<b>SUPER-AMP Universal SINGLE TUBE 2.5 X RT/PCR-Premix:</b> 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. Genome Diagnostics Pvt. Ltd., shall not in any event be liable for incidental or special damage of any kind resulting from any use except on applications.

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