

2×Taq PCR Master Mix

(BW- AT1101)

Contents

Kit Contents	2
Introduction	2
Storage and Stability	2
Features	2
Protocol	3
Limited Use and Warranty	4

Kit Contents

Catalog#	BW- AT1101-01	BW- AT1101-02
2 × Taq PCR Master Mix	1.0 mL	1.0 mL×5

Introduction

2 × Taq PCR Master Mix is a ready-to-use and ready-to-load reaction cocktail for PCR amplification up to 4 kb. It's a 2× concentrated formulation that contains all necessary components including Magic Taq DNA polymerase, magnesium, dNTPs, glycerol, and blue color tracking dye, except primers and template. Reagents sufficient for 100 or 500 or 5000 PCR amplification reactions of 50 µL reaction volume.

Storage and Stability

From the date of production, 2 × Taq PCR Master Mix is stable for 1 year when stored at -20°C. It may be stored at 4°C to avoid the necessity of repeated thawing the mix before assembling the PCR. No detectable reduction of PCR performance was observed after storage for 12 months at 4°C. Repeated freeze-thaw cycles do not impair PCR performance.

Features

- High yield, high sensitivity
- Superior reliability and robustness
- Convenient and time saving: ready-to-use and ready-to-load PCR Mix

Protocol

The following protocol is suggested as a starting point.

Components	25 µL Rxn	50 µL Rxn	Final Concentration
PCR Mix (2×)	12.5 µL	25 µL	1×
Forward Primer (10 uM)	0.5 µL	1.0 µL	200 nM (Variable:100-500 nM)
Reverse Primer (10 uM)	0.5 µL	1.0 µL	200 nM (Variable:100-500 nM)
Template DNA	x µL	x µL	Variable (fg - µg)
Final Volume (uL)	25 µL	50 µL	

1. Assemble the reaction on ice.
2. Cap reaction vessels and load in thermal cycler at 94°C.
3. Incubate tubes in a thermal cycler at 94°C for 30 seconds to 1 minute to completely denature the template.
4. Perform 25-40 cycles of PCR amplification as follows:
 - Denature 94°C for 15–30 s
 - Anneal 55-60°C for 15–30 s
 - Extend 72°C for 1 minute per kb
 - Hold at 4°C until use
5. Analyze PCR products by gel electrophoresis.

Limited Use and Warranty

This product is intended for *in vitro* research use only. Not for use in human.

This product is warranted to perform as described in its labeling and in BEIWO's literature when used in accordance with instructions. No other warranties of any kind expressed or implied, including, without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by BEIWO. BEIWO's sole obligation and purchaser's exclusive remedy for breach of this warranty shall be, at the option of BEIWO, to replace the products. BEIWO shall have no liability for any direct, indirect, consequential, or incidental damage arising out of the use, the results of use, or the inability to use it product.

For technical support or learn more product information, please contact us or visit our website.



Contact Us: [400-115-2855](tel:400-115-2855)

www.beiwobiomedical.com

Customer Support:

market@beiwobiomedical.com

Technical Support:

tech@beiwobiomedical.com