

# DNA Mastermix

## BioChek qPCR reagents

### Catalogue Number BP300

#### Product description

BioChek DNA Mastermix is a 2X ready-to-use reagent for PCR amplification of DNA templates.

BioChek DNA Mastermix is compatible with all other BioChek DNA qPCR reagents.

#### Materials provided

Mastermix: 2 vials (Black Cap), liquid (675 µl). This is sufficient for 100 BioChek qPCR reactions

**Storage Conditions:** Upon receipt, store at -20 °C (+/- 5 °C)

#### Warnings and precautions

1. Wear powder free disposable gloves when handling DNA Mastermix
2. Handle DNA Mastermix with care.
3. This reagent is for *in vitro* use only.
4. Not for human IVD use.

#### Materials required but not provided for running PCR

- qPCR thermocycler (detection channels for FAM, Hex, Texas Red and CY-5)
- Vortex mixer (x2)
- Mini-centrifuge (x2)
- PCR plate-spinner
- Disposable filter-tips for volumes of 1 – 1000 µl
- Single, 8 or 12 channel pipette
- DNase/RNase free 2.0 ml tubes for preparation of reaction mix
- DNA extraction method
- Plates for PCR reaction (suitable for use with your qPCR thermocycler)
- Heat resistant sealers for plate
- Disposable powder free gloves
- Refrigerator and freezer
- DNA primer/probe
- Positive/Negative Controls

#### Protocol

1. Allow Mastermix to thaw at room temperature.
2. Vortex gently and briefly spin down the Mastermix.
3. Prepare the reaction mix in appropriate PCR microtubes.

Example, for one 25 µl PCR reaction volume:

	For Other PCR	For BioChek qPCR
Mastermix	12.5 µl	12.5 µl
Primer mix	Variable	7.5µL
Water	Variable	N/A
Sample (DNA extract)	Variable	5µL
<b>Total Reaction Volume</b>	25µL	25µL

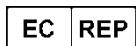
4. Gently vortex the reaction mix.
5. Program the thermocycler according to the manufacturer's instructions. This Mastermix is designed to have its Taq activation at 95 °C and annealing/extension at 60 °C. A typical thermal cycler program for plates is outlined below.

Suggested PCR program at normal ramp speed:

Temperature	Time	No. of cycles
95 °C	3 mins	1
95 °C	15 sec	40
60 °C	60 sec	
Data collection (@ 60 °C):		

For technical assistance contact your BIOCHEK area manager or distributor or visit our website.

RI/BP300REV01



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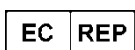
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#### Symbol Glossary



Catalogue number



Authorised representative in the European Community



Manufacturer



Date of manufacture



Consult instructions for use



Expiry date



Batch number



Content



In vitro diagnostic



Lower limit of temperature