BIO LINKER

QUICK PROTOCOL
MASTERMIX PCR 2X

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The **MASTER MIX** PCR 2X delivers accurate target detection with a reliable and consistent performance. Developed in an easy way to use, the kit is ideal for DNA fragment amplification with AVANTE Taq Biolinker, with fast and realible amplification and higher proofread.

The kit include:

- Taq polimerase HF AVANTE
- dNTPs
- Buffers and Stabilizants

All components must be stored at -20°C.

STEP 01: Program your real-time instrument

To perform DNA amplification

Standard Cyclinc Program

- 95°C for 2 minutes hold
- 40 cycles of:
  95°C, 15 seconds and
  51- 60°C, 30 seconds or 15 sec (Temp. Anneling*)
  72°C, Elongation

STEP 02: Set up Reactions

Set up reaction on ice. The volumes for a single 25µL reactions are describe below:

Components	Volume (for 25µL Reactions)
2x Master mix Reaction Mix	12,5 µL
Forward Primer, 10µM	0.5µL
Reverse Primer, 10µM	0.5 µL
Reference Dye (Optional)	1 µL / 0.1 µL (See instrument)*
Template (1 pg to 1µg total RNA)	1 till 11.5 µL
DEPC-Treated Water	- till 11.5 µL (Complete for 25 µL final mix)

STEP 03: Mix the Reaction Tube/Plate

Make sure that all compoinents are ate the botton of the tube/plate (centrifuge briefly if needed)

Cap or seal the reaction PCR tube or plate, and gently mix.

STEP 04: Start the Reaction

Place reactions in a preheated real-time instrument ans satrt the reaction. Collect data and analyze results.

If you need any help, we are always available for assistance.

Contatcts and Support

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SETUP REACTION

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Forward Primer, 10µM	0.5µL
Reverse Primer, 10µM	0.5 µL
Reference Dye (Optional)	1 µL / 0.1 µL (See instrument)*
Template (1 pg to 1µg total RNA)	x µL
DEPC-Treated Water	-11.5 µL (Complete for 25 µL final mix)

Reference Dye:
1 µL: Applied Biosystems™ 7000, 7300, 7700, 7900HT, 7900HT Fast, StepOne™, and StepOnePlus™ systems
0.1 µL: Applied Biosystems™ 7500, ViiA™ 7, and QuantStudio™ 3, 5, 6 Flex, 7 Flex, and 12k Flex systems; Agilent™ Mx3000P™, Mx3005P™, and Mx4000™

PROGRAM REAL-TIME INSTRUMENT

To perform cDNA synthesis immediately followed by PCR amplification program your real-time instrument

Standard Cyclinc Program

- 95°C for 2 minutes hold
- 40 cycles of:
  95°C, 15 seconds and
  51- 60°C, 30 seconds or 15 sec (Temp. Anneling*)
  72°C, Elongation