



# TATAA SYBR<sup>®</sup> GrandMaster<sup>®</sup> Mix

User Manual v.1.0

Order #: TA01-625  
TA01-1875  
TA01-3750



**tataabiocenter**

## Protocol

1. Thaw and mix thoroughly by gently vortexing and briefly centrifuge to collect content before use.
2. Add the following for one reaction to a 0.2 ml thin-walled PCR tube or in a PCR plate.

TATAA SYBR <sup>®</sup> GrandMaster <sup>®</sup> Mix (2x)	10 $\mu$ l
Nuclease free water	variable
Forward primer	variable
Reverse Primer	variable
Template	variable
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Final volume	20.0 $\mu$ l

3. Vortex gently and centrifuge to collect content.

**Note:** When preparing multiple reactions, making a cocktail with all components except template is recommended to reduce pipetting errors. Prepare a slightly larger amount of master mix than required to compensate for pipetting losses.

## Cycling Protocol

FAST 2 step	FAST 3 step	
95°C, 30 s*	95°C, 30 s*	Pre Denaturation
95°C, 3-5s	95°C, 3-5 s	Cycling
	55-65°C, 15 s	
60°C, 20-30 s	68-72°C, 10s	Collect data
For melting curve , refere to instrument instructions.		

*\*Full activation of Taq polymerase is achived within ten seconds. Longer denaturation time may be needed to denature template.*

## Troubleshooting

If experiencing difficulties with this product please contact the experts at TATAA technical support for help by email: [info@tataa.com](mailto:info@tataa.com) or phone: +46 31 761 57 00.

## License information

*This product in covered by US patent 5,436,134; 5,658,751; 5,994,056; 6,171,785; 6,174,670; 6,569,627; 5,871,908; 6,174,670; 6,569,627; 5,871,908; 5,338,671; 5,587,287.*

*The buyer is not authorized to sell or transfer the product to third party.*

## Background

The novel TATAA SYBR® GrandMaster® Mix is a 2x concentrated ready to use fastmix which provides all the necessary components for qPCR except primers and template.

## Content

TATAA SYBR® GrandMaster® Mix (2x): 2x reaction buffer containing optimized concentrations of MgCl<sub>2</sub>, dNTPs, Taq DNA polymerase, SYBR® Green I Dye and stabilizers.

## Storage

Store the TATAA SYBR® GrandMaster® Mix at -20°C. It may be kept at +2°C to +8°C for up to 6 months. Repeated freeze-thaw cycles is not recommended.

## TATAA Biocenter AB

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