

# Content

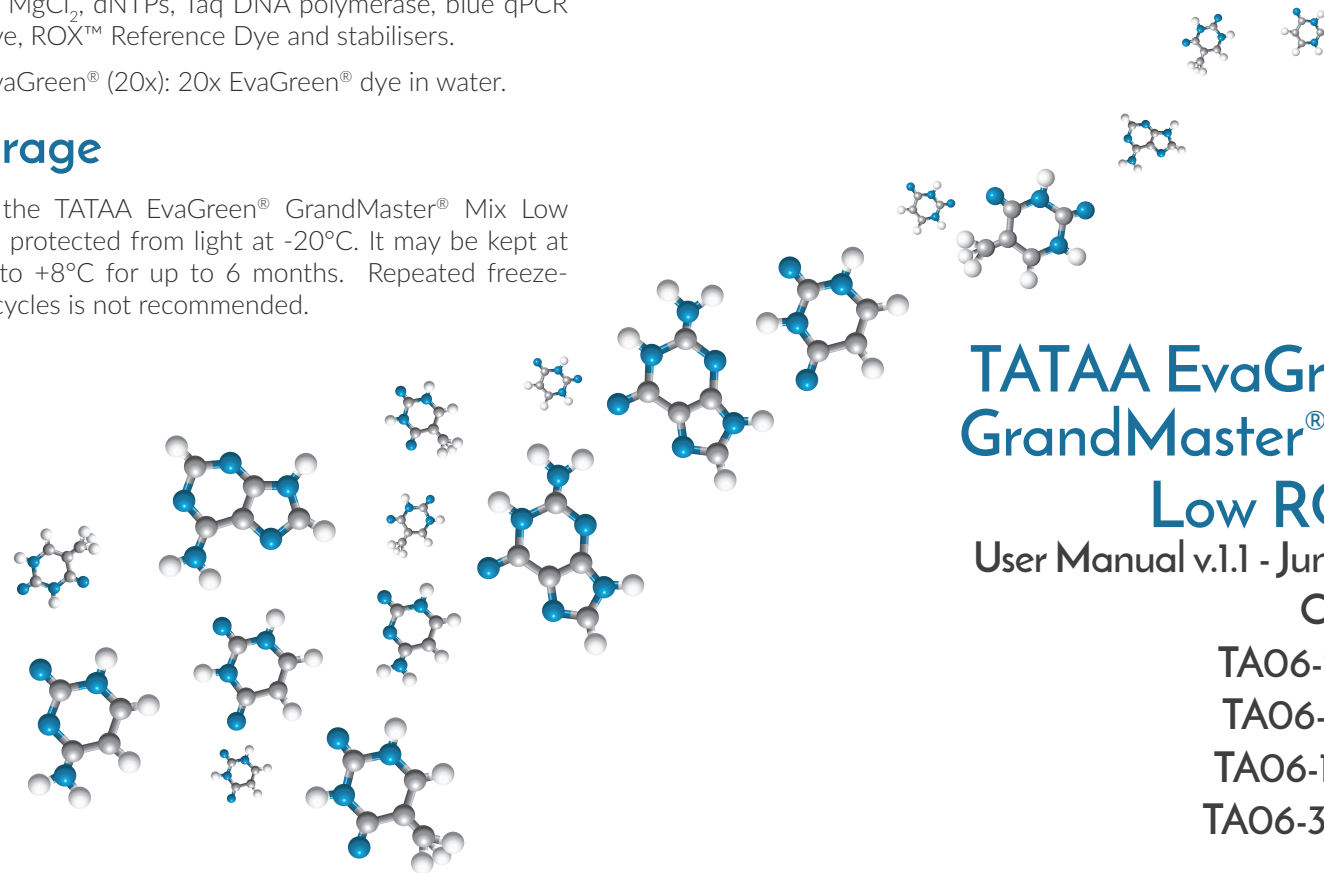
- TATAA GrandMaster® Mix Low ROX™ (2x): 2x reaction buffer containing optimised concentrations of MgCl<sub>2</sub>, dNTPs, Taq DNA polymerase, blue qPCR dye, ROX™ Reference Dye and stabilisers.
- EvaGreen® (20x): 20x EvaGreen® dye in water.

# Storage

Store the TATAA EvaGreen® GrandMaster® Mix Low ROX™ protected from light 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.



tataabiocenter



**TATAA EvaGreen®  
GrandMaster® Mix  
Low ROX™**

User Manual v.1.1 - June 2015

Order #:

TA06-250LR

TA06-625LR

TA06-1875LR

TA06-3750LR

# Background

The novel TATAA EvaGreen® GrandMaster® Mix Low ROX™ is a concentrated ready-to-use mix, which provides all the necessary components for qPCR except primers and template. The blue color of the mix helps to visualise pipetting in clear or white plates and does not interfere with the stability of the product or qPCR efficiency.

## 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 GrandMaster® Mix Low ROX™ (2x)	10.0 µl
EvaGreen® (20x)	1.0 µl
Nuclease free water	variable
Forward primer	variable
Reverse primer	variable
Template	variable
Final volume	20.0 µl

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

Conventional qPCR	BioMark™ protocol	
95°C, 30 s*	95°C, 30 s*	Pre-denaturation
95°C, 3-5 s	95°C, 5-10 s	Cycling
55-65°C, 30 s	55-65°C, 15-20 s	
68-72°C, 10 s	68-72°C, 20 s	Data collection
For melting curve, please refer to instrument instructions.		

*\*Full activation of the Taq polymerase is achieved within ten seconds. Longer denaturation time may be needed to denature the 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 is covered by US patent 5,338,671; 5,587,287; 7,803,943; 7,776,567.*

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