

Content

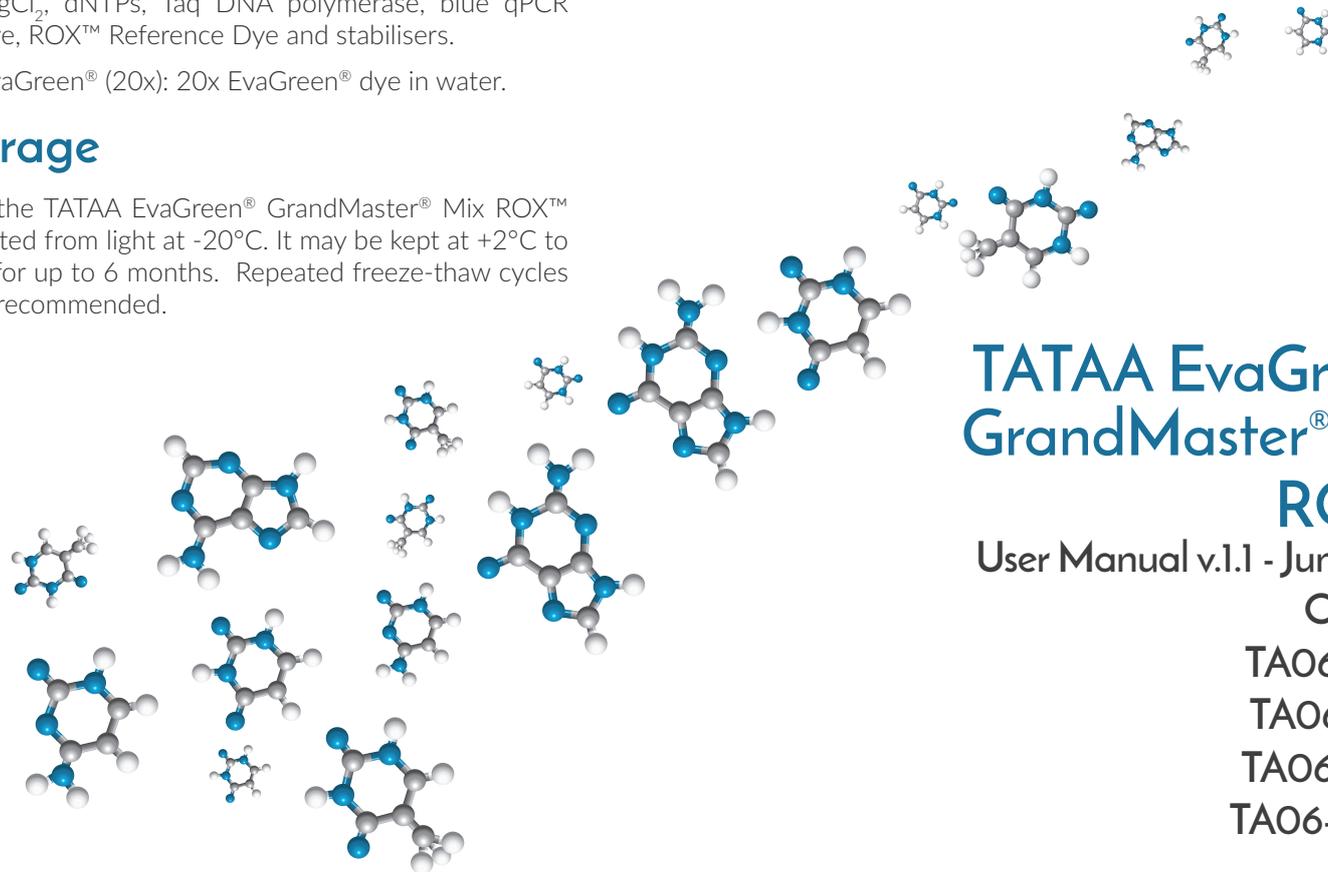
- TATAA GrandMaster® Mix ROX™ (2x): 2x reaction buffer containing optimised concentrations of MgCl₂, dNTPs, Taq DNA polymerase, blue qPCR dye, ROX™ Reference Dye and stabilisers.
- EvaGreen® (20x): 20x EvaGreen® dye in water.

Storage

Store the TATAA EvaGreen® GrandMaster® Mix 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
ROX™

User Manual v.1.1 - June 2015

Order #:

TA06-250R

TA06-625R

TA06-1875R

TA06-3750R

Background

The novel TATAA EvaGreen® GrandMaster® Mix 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 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 | |
| 95°C, 30 s* | Pre-denaturation |
| 95°C, 3-5 s | Cycling |
| 55-65°C, 30 s | |
| 68-72°C, 10 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 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.