GENAXXON bioscience
fon: +49(0)731 – 3608 123
fax: +49(0)731 – 3608 962
E-Mail: info@genaxxon.com

RT-PCR & PCR Inhibitor tolerance screening kit

Five different additives for systematic screening of PCR and RT-PCR assay performance

	Cat#	M3310.0400	Colour code of cap
Component			
Additive 1		200µL	**blue/white**
Additive 2		200µL	**blue/white**
Additive 3		200µL	**blue/white**
Additive 4		200µL	**blue/white**
Additive 5		200µL	**blue/white**

Product description

The Genaxxon RT-PCR & PCR Inhibitor tolerance screening kit contains five ready-to-use additives for evaluating their effects on PCR and RT-PCR assay performance. The kit is intended for assay development, optimization and troubleshooting, including the investigation of amplification efficiency, specificity and reproducibility under different reaction conditions.

The additives are supplied individually and can be tested with existing polymerase or reverse transcriptase systems, buffers and primer-probe combinations. Each additive is evaluated separately and compared with a control reaction without additive.

Recommended procedure

Add 2 µL of the selected additive to a 20 µL reaction, replacing an equivalent volume of water. Test each additive separately and include a control without additive. Keep all other reaction components and cycling conditions unchanged.

Evaluate the results using assay-relevant parameters, such as Cq values, product yield, specificity and reproducibility. Further concentration optimization and validation in the intended sample matrix may be required.

Note: The effect of each additive depends on the assay, enzyme system and sample matrix. The recommended volume is intended for initial screening; the optimal concentration must be determined for each application.

Stability and storage

The additives are shipped without cooling but should be stored at –20°C.

When stored at -20°C and handled correctly, this product can be kept at least until the expiration date (see tube label) without showing any reduction in performance.

Properties and application

It is recommended to vortex all additives before use to avoid concentration gradients in the tube.

Safety information

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDSs). These are available online as pdf-file or on request (info@genaxxon.com).

GENAXXON bioscience GmbH
Söflinger Str. 70 ● 89077 Ulm ● Geschäftsführer: Dr. Norbert Tröndle
Amtsgericht: 89014 Ulm ● HRB 641623
U.St.-Id.Nr. DE 220 603 767 ● Deutsche St.-Nr. 88002/33658

We Aim for Your Success.
www.genaxxon.com