

Important Note

Dear valued customer,

We are continuously striving to improve our products and services. In order to optimize the performance of our ALK RGQ RT-PCR Kit, we have made some modifications to the kit composition and analysis algorithm. These changes and their benefits are outlined below.

- **Kit format.** The ALK RGQ RT-PCR Kit now contains one tube of OneStep Enzyme Mix. The operator needs to add 0.5 μ l of this OneStep Enzyme Mix (tube Enzyme Mix) to 19.5 μ l of Reaction Mix (tube ALK) for one reaction, as described on pages 12 and 13 of the *ALK RGQ RT-PCR Kit Handbook* (January 2016).
- **Sample assessment data analysis.** There is now an additional step in the sample assessment data analysis to set outlier removal for the green channel. The operator needs to follow step 14 (Click "Outlier Removal" and set to 8% and select "OK") on page 32 of the *ALK RGQ RT-PCR Kit Handbook* (January 2016).
- **Acceptance criteria for controls.** Please note changes to the acceptance criteria for positive controls in Table 2 on page 34 of the *ALK RGQ RT-PCR Kit Handbook* (January 2016).
- **Established value for ABL1 expression control assay.** Please note changes to the working range for the ABL1 expression control assay in Table 3 on page 34.
- **ΔC_T calculation.** Please note that a ΔC_T is now calculated for samples tested as described on page 35.
- **Established value for ALK target expression assay.** Please note the change to the cut-off for the green channel (ALK assay) in Table 4 on page 35.

The changes to the kit format have been implemented to increase the shelf life of the product by separating the enzyme from the reaction mix. The

new sample assessment data analysis method, established values for the ABL1 expression control assay and for the ALK target expression assay will ensure fewer false positive/negative results, and an increased number of first time run passes.

For further, detailed information, please refer to the *ALK RGQ RT-PCR Kit Handbook* (January 2016), available online at www.qiagen.com/ALK-RGQ-RT-PCR-Kit in the Product Resources section.

If you have any questions, please contact your local QIAGEN Technical Services Department.

Best regards,

Your QIAGEN Team

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1100313 01/2016 HB-2070-001
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