

BCR-ABL1 p210 (Mbc) IS-MMR Detection

Technical Specifications

Intended Use

- Detection and quantitation of P210BCR-ABL1 b2a2 & b3a2 fusion transcripts.

Suitable Sample Type

-Whole Blood in tube with EDTA
-Bone Marrow

Test Procedure

-RNA Isolation
-Multiplex RT-qPCR

Analytical Sensitivity

- 2 copies of BCR-ABL1 transcript can be detected in minimum 200,000 ABL1 transcript.

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR
- QuantStudio™ 5 Real-Time PCR System

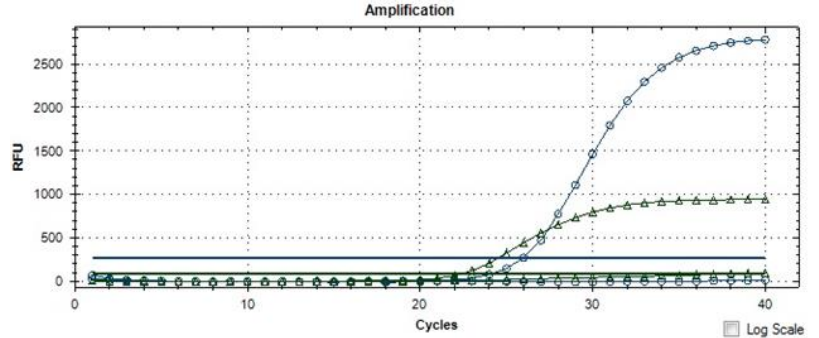
Catalog Number

- BCR210-RT48

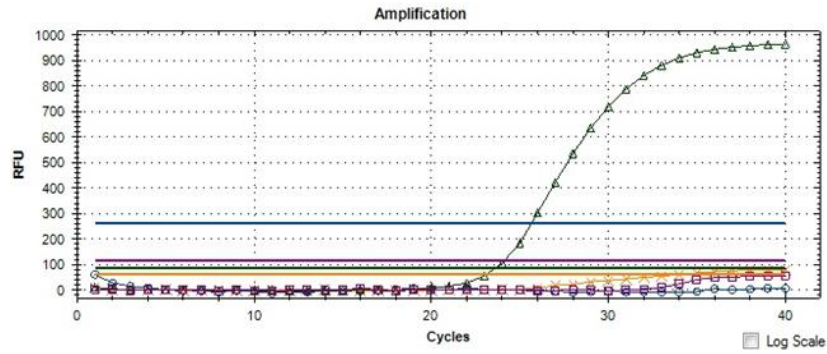
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Positive Result
Analysis



Negative
Result
Analysis



- ✓ Sensitive resulting with one-step enzyme.
- ✓ Quantitative determination of BCR-ABL1 fusion genes b3a2 (e14a2) and b2a2 (e13a2) transcript from total RNA.
- ✓ ABL is used as reference gene.
- ✓ Major bcr (p210) and reference gene (ABL) is present in one tube as primer probe mix.
- ✓ The calibrator allows results to be converted to international scale (NCN-IS)
- ✓ The kit has 6 standards containing both major bcr (p210) target gene and ABL reference gene plasmid with predetermined amounts.
- ✓ Log (10⁻⁵) (NCN_IS %:0.001) decrease of BCR-ABL1 transcript can be detected with enough amounts of obtained RNA

GeneMAP™ BCR-ABL1 p210 (Mbc) IS-MMR DetectionKit is designed specifically for BCR-ABL1 p210 Analysis with routine RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

Contents	Volume
5X One-Step qRT-PCR Buffer	264 µl
OneStep qRT-PCR Enzyme Mix	106 µl
RNase Free Water	400 µl
5X BCR-ABL1 P210 Primer Probe Mix F	264 µl
BCR-ABL1 P210 Calibrator	50 µl
Standard 1-6	30