AML1-ETO RQ Kit

Detection and Quantitation of AML1-ETO Transcripts

AML1-ETO is the most common chromosomal aberration in de novo acute myeloid leukemia (AML) patients. This abnormality is resulted from 18(21) (22/22) translocation. The translocation produces a fusion protein which inhibits myeloid transcriptional factors and as a result, cellular differentiation is blocked. This alteration occurs in approximately 7% of adult and 12% of pediatric with AML.

AML1-ETO RO Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of AML1-ETO transcripts as well as calculation of AML1-ETO percentage.

Advantages of AML1-ETO RQ Kit

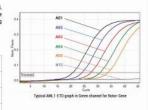
Ready to Use

The AML1-ETO and ABL Mixes contain all necessary reagents for Real-Time PCR and are ready to use, no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample cDNA. Results can be viewed in GreenVFAM channel for AML1-ETO and Yellow/VIC channel for ABL.

Control Gene

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample, RNA extraction and cDNA synthesis, preventing related false negative results.

AML1-ETO Mix	Ready to use PCR Master Mix containing all required reagents for detection of AML1-ETO transcripts	480µ
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µ
AML1-ETO Standards	5 quantitation Standards (100,000 to 10 copies /µf)	150µ
ABL Standards	4 quantitation Standards (100,000 to 100 copies /µl)	150µ
Water	PCR grade Water	200µ
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1



Kit Specifications

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Analytical Sensitivity	2 copies/µl or 0.02% for AML1-ETO in context of 10,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM, VIC)

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.



BCR-ABL (p190) RQ Kit

Detection and Quantitation of BCR-ABL p190 Transcripts

Philadelphia chromosome is an abnormality resulted from 9:22 translocation. Consequently, ABL proto-oncogene on chromosome 9 as funded with EGR gene on chromosome 22. This future of protocoses BCR-ABL protein, mostly 210k0s (b222 or 35a2) or 190k0s (e1a2), with constitutively active tyrosine kinses activity promoting profesces and minibition of apputiess. The fusion gene transcript is detectable in about 95% of CML patients and some cases of ALL. Also, estail minoritoring of patients for identifying and measuring BCR-ABL transcripts provides more precise assessment of response to specific therapies and prediction of those in higher risk of disease progression.

BCR-ABL (p190) RQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of BCR-ABL transcripts (p190, e1a2 break point only) as well as calculation of BCR-ABL%.

Advantages of mbcr RQ Kit

Ready to Use

(p190)

ABL

The mbcr and ABL Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample COMA. Results can be viewed in Green/FAM channel for BCR-ABL and Yellow/VIC channel for ABL.

Control Gene

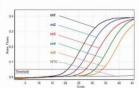
Kit also provides PCR Mix and Standards for assessment of A expression as the control gene. This would evaluate quality of patient sample, RNA extraction and cDNA synthesis, prevent related false negative results.

Kit contents

mbor RO Mix	Ready to use PCR Master Mix containing all required reagents for detection of BCR-ABL p190 transcripts (e1a2 break points only)	480µ1
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µl
mbor Standards	5 quantitation Standards (100,000 to 10 copies/µl)	150µl
ABL Standards	4 quantitation Standards (100,000 to 100 copies/µl)	150µ
Water	PCR grade Water	200µ
CD & Manual	Containing all required information and instruction for use	-1
Quick Guide	A short version of instruction for use	1







Kit Specifications

Analytical Sensitivity	10 copies/µl or 0.2% in the context of 5,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TagMan probe, Singelplex (FAM, VIC)

Amitis Gen

BCR-ABL (p210) RQ Kit

Detection and Quantitation of BCR-ABL p210 Transcripts

BCR-ASL also known as Philadelphia chromosome is an ahormality resulted from 92.2 translocation. Consequently, ASL proto-encogene on chromosome 9 is fused with BCR gene on chromosome 22 (bza or bba27). This fusion produces mostly 170 or 19 Nbb 38 CFA-ABL protein with constitutively active tyrosine kinase activity promoting cell proliferation and hinhibition of apportions. The fusion queet transcript is detectable in about 95% of CML patients and some cases of ALL. Also, secial monitoring of patients for identifying and measuring BCR-ABL transcripts provides more precise assessment of response to specific threapies and prediction of those in higher risk of disease progression.

BCR-ABL (p210) RQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of BCR-ABL transcripts (p210, b2a2 or b3a2 break points only) as well as calculation of BCR-ABL%.

Advantages of MBCR RO Kit

Ready to Use

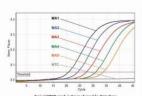
The MBCR and ABL Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample cDNA. Results can be viewed in Green/FAM channel for BCR-ABL and Yellow/VIC channel for ABL.

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample, BNA extraction and cDNA synthesis, preventing related false negative results.

MBCR RQ Mix	Ready to use PCR Master Mix containing all required reagents for detection of BCR-ABL p210 transcripts (b2s2 or b3s2 break points only)	480µ
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µ
MECR Standards	5 quantitation Standards (100,000 to 10 copies/µl) for MBCR and ABL	250µ
Water	PCR grade Water	200µ
CD & Manual	Containing all required information and instruction for use	ા
Quick Guide	A shart version of instruction for use	1

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.





Kit Specifications

Analytical Sensitivity	4 copies/µl or 0.08% for BCR-ABL in the context of 5,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singelplex (FAM, VIC)



(p210) RQ

AMLT

-ETO RQ Kit

Detection of BRAF Mutations

BRAF oncogene is among the most frequently mutated kinases in human cancer. Mutations in codon V600 have been reported in different types of cancers including 40%-50% of melanomas, 10%-70% of thyroid carcinomas, 10% of colorectal cancers and 3%-5% of Non-Small Cell Lung Cancers (NSCLC). Most of the BRAF mutations are located in codon 600 and constitute V600E, V600Ec, V600D, V600K, V600R.

Advantages of BRAF RQ Kit

Ready to Use

The BRAF Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample DNA. Results can be viewed in Green/FAM and Yellow/VIC channels.

Kit contents

BRAF Control Mix	PCR Master Mix for quality control	2×480µI
V600E Mix	PCR Master Mix for V600E mutation	480µl
V600Ec Mix	PCR Master Mix for V600Ec mutation	480µl
V600D Mix	PCR Master Mix for V600D mutation	480µI
V600K Mix	PCR Master Mix for V600K mutation	480µl
V600R Mix	PCR Master Mix for V600R mutation	480µl
BRAF Positive Control	Positive Control	250µI
BRAF Negative Control	Negative Control	250µI
Water	PCR grade Water	200µl
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1

Packaging Kit is available as 24 and 48 reactions of 25µl.



Analytical Sensitivity	0.5%-2%, Depending on the mutation type
Reaction Type	Qualitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex/ Duplex (FAM, VIC)



EGFR RQ Kit

Detection of EGFR Mutations

Epidermal Growth Factor Receptor (EGFR), is a tyrosine kinase receptor and is considered as an oncogene. EGFR is involved in regulation of cellular proliferation, differentiation and survival. Mutations in EGFR exons 18, 19, 20 and 21 are associated with the development of different human cancers specially Mon-Small Cell Lung Cancer (NECLC) and glioblastoms. Since, the choice of an experimental control of the Computer of the C

This kit provides ready to use reagents for detection of 34 mutations. Detected mutations include three point mutations in exon 18 (617)84. 671938 and 67195 without differentiating them), 24 deletions in exon 19 (without differentiation between them), three insertion (without differentiation between them), three insertion (without differentiation between them), three insertion (without differentiation between them), and two point mutations in exon 20 (S768I, T790M) and two point mutations in exon 21 (L858R, L861Q).

EGFR RQ Kit provides a ready-to-use Real-Time PCR assay for detection of these 34 mutations.



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Advantages of EGER RO Kit

Ready to Use

The EGFM Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample DNA. Results can be viewed in Green/FAM and Yellow/ViC channels.

Kit contents

EGFR Control Mix	PCR Master Mix for quality control	2×480µl
G719X Mix	PCR Master Mix for G719A/G719S/G719C mutations	480µI
19Del Mix	PCR Master Mix for exon 19 Deletions	480µl
20Ins Mix	PCR Master Mix for exon 20 insertions	480µI
S7681 Mix	PCR Master Mix for \$7681 mutation	480µl
T790M Mix	PCR Master Mix for T790M mutation	480µl
L858R Mix	PCR Master Mix for L858R mutation	480µI
L8610 Mix	PCR Master Mix for L861Q mutation	480µl
EGFR Positive Control	Positive Control	250µl
EGFR Negative Control	Negative Control	250µl
Water	PCR grade Water	200µI
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1

Kit Specifications

Analytical Sensitivity	1%-8%, Depending on the mutation type
Reaction Type	Qualitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex/Duplex (FAM, VIC)

Packaging Kit is available as 24 and 48 reactions of 25µl.



ETV6-RUNX1 RQ Kit

Detection and Quantitation of ETV6-RUNX1 (TEL-AML1) Transcripts

ETV6-RUNX1 (TEL-AML1) is an abnormality resulted from 21;12 translocation. RUNX1 gene, encodes a protein involved in transcriptional control of hemotopoiesis. However, as a result of this translocation, it is repressed by ETV6-RUNX1 fusion protein.

This alteration occurs in approximately 25% of childhood ALL diagnosed between the ages of 2-10 years.

ETV6-RUNX1 (TEL-AML1) RQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of ETV6-RUNX1 transcripts as well as calculation of ETV6-RUNX1 percentage.

Advantages of ETV6-RUNX1 RQ Kit

Ready to Use

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The ETV6-RUNX1 and ABL Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample cDNA. Results can be viewed in Green/FAM channel for ETV6-RUNX1 and Yellow/VIC channel for ABL.

Control Gene

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample, RNA extraction and CDNA synthesis, preventing related false negative results.

ETV6-RUNX1 Mix	Ready to use PCR Master Mix containing all required reagents for detection of ETV6-RUNX1 transcripts	480µI
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µl
ETV6-RUNX1 Standards	5 quantitation Standards (100,000 to 10 copies/µl)	150µl
ABL Standards	4 quantitation Standards (100,000 to 100 copies/µl)	150µl
Water	PCR grade Water	200µl
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.



Kit Specifications

Analytical Sensitivity	2 copies/µl or 0.02% for TEL-AML1 in context of 10,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM, VIC)



JAK2 MQ Kit

Detection and Quantitation of JAK2 V617F Mutation

JAX2 (Janus Kinase 2) is a Tyrosine Kinase located in cytoplasm with essential role in signaling pathways for cytokines and growth factors. The acquired mutation G1849T replaces valine with phenylalanine (V617F). This substitution results in constitutively active JAX2 which leads to uncontrolled cell proliferation in the absence of growth factors. This mutation is found in the majority of SCR-ABC-negative myeloproliferative disorders (MPDs) and has become a main diagnostic test for pubcy-firmia vera (PV), essential thromborythemia (ET) and primary myelofibrosis (PMF).

JAK2 MQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of JAK2 V617F mutation.

Advantages of JAK2 MQ Kit

Ready to Use

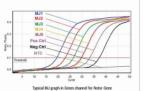
The MJ and WJ Mizes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample DNA. Results can be viewed in Green/FAM channel for MJ and WJ.

Kit contents Ready to use PCR Master Mix containing all

MJ Mix	required reagents for detection of JAK2 (V617F) mutation	480µl
WJ Mix	Ready to use PCR Master Mix containing all required reagents for detection of Wild type alleles	480µl
MJ Standards	5 quantitation Standards (100,000 to 10 copies/μί)	150µl
WJ Standards	5 quantitation Standards (100,000 to 10 copies/μί)	150µl
Positive Control 2.5%	Positive Control 2.5%	50µI
Negative Control	Negative Control	50µI
Water	PCR grade Water	200µl
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.





Analytical Sensitivity	0.1% in context of 5000 copies/µl wild type alleles
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM)



JAK2 MQ Ĩ.

Detection of JAK2 Mutation (V617F)

JAK2 RQ Kit

JAK2 (Janes Kinase 2) is a Tyrosine Kinase located in cytoplasm with essential role in signaling pathways for cytokines and growth factors. The acquired mutation G1847 replaces valine with phenylalunic (V6177). This substitution results in constitutively active. AM2 which leads to uncontrolled cell profileration in the absence of growth factors. This mutation is found in the majority of SCR-ABL-negative myelopotiferative disorders (MPDs) and has become a main diagnostic test for pokyrythemia vera (PV), essential thrombocythemia (ET) and primary myelofibrosis (PMF).

JAK2 RQ Kit provides a ready-to-use Real-Time PCR assay for detection of JAK2 V617F mutation.

Ready to Use

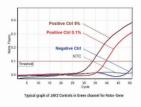
The JAK2 Mix contains all necessary reagents for Real-Time PCR and is ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample DNA. Results can be viewed in Green/FAM channel.

Internal Control

The PCR Mix detects also a housekeeping gene in Yellow/VIC channel. Internal Control ensures quality of patient sample and DNA extraction and also prevents false negative results by PCR inhibition or setup errors.

Kit contents

JAK2 RQ Mix	Ready to use PCR Master Mix containing all required reagents for JAK2 V617F mutation	480µI
Positive Control 5%	Positive Control 5%	50µI
Positive Control 0.1%	Positive Control 0.1%	50µI
Negative Control	Negative Control	50µl
Water	PCR grade Water	200µ
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1



Kit Specifications

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Analytical Sensitivity	0.1% in 10-50 ng/µl DNA	
Reaction Type	Qualitative Real-Time PCR	
Detection Method	TaqMan probe, Duplex (FAM, VIC)	



Detection of KRAS Mutations

Colorectal cancer (CRC) is among the most prevalent cancers worldwide. Treatment with monoclonal antibodies against Epidermal Growth Factor Receptor (Anti-EGFR) has shown to be effective for CRC patients. Nower, Anti-EGFR would be ineffective in presence of some KRAS mutations including mutations in codons 12 and 13. This is the same for treating Non-Small Cell Lung Cancer (MSCLC) with Anti-EGFR. Therefore, determining the KRAS mutations status is essential for these patients. It should be noted that, 95% and 85% of KRAS mutations in CRC and NSCLC patients respectively are reported in codons 12 and 13 including G12A, G12C, G12D, G12R, G12R, G12Y, and G13D.

KRAS RQ Kit provides a ready-to-use Real-Time PCR assay for detection of these 7 mutations.

Advantages of KRAS RO Kit

Ready to Use

Ready to use

The KRAS Mixes contain all necessary reagents for Real-Time PCR
and are ready to use; no further reagent or mixing is required.
Reactions are prepared simply by addition of the mix directly to the
tubes followed by the sample DNA. Results can be viewed in
GreenVFAM and Yellow/YIC channels.

Kit contents

Control Mix	PCR Master Mix for quality control	2×480µ
G12A Mix	PCR Master Mix to check G12A mutation	480µI
G12C Mix	PCR Master Mix to check G12C mutation	480µI
G12D Mix	PCR Master Mix to check G12D mutation	480µl
G12R Mix	PCR Master Mix to check G12R mutation	480µl
G12S Mix	PCR Master Mix to check G12S mutation	480µl
G12V Mix	PCR Master Mix to check G12V mutation	480µl
G13D Mix	PCR Master Mix to check G13D mutation	480µl
KRAS Positive Control	Positive Control	250µl
KRAS Negative Control	Negative Control	250µl
Water	PCR grade Water	200µl
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1



The same

Analytical Sensitivity	1%-4%, Depending on the mutation
Reaction Type	Qualitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex/Duplex (FAM, VIC)



Packaging Kit is available as 24, 48 and 96 reactions of 25µl.

PML-RARA (bcr1) RQ Kit

Detection and Quantitation of PML-RARA (bcr1) Transcripts

PML-RARA is an abnormality resulted from t(15;17) (q22: q21) translocation. This translocation results in fusion of PML (promyelooptic) gene with RaRA (retinoic add receptor alpha) gene, and production of chimieic PML-RARA protein which is a transcription repressor and impairs the myeloid differentiation. While RARA breakpoints always occur in intro. 2, PML breakpoints involves three different regions of intro 6 (55%), exon 6 (5%) and intro 3 (40%). The resulted isoforms of PML-RARA are respectively called bcr1/Long/IL, bcr2/Variant/V and bcr3/Short/S.

PML-RARA accounts for more than 90% of APL (acute progranulocytic leukemia) cases, 10%-15% of AML (acute myeloid leukemia) cases.

PML-RARA (bcr1) RQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of PML-RARA (bcr1) transcripts and monitoring MRD.

Advantages of PML-RARA (bcr1) RQ Kit

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PML-RARA (bcr1) RQ

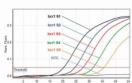
The bot and ABI. Mires contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample COM. Results can be viewed in Green/FAM channel for bcr1 and Yellow/VIC channel for ABI.

Control Gene

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample, RNA extraction and cDNA synthesis, preventing related false negative results.

bor1 RQ Mix	Ready to use PCR Master Mix containing all required reagents for detection of ber1 transcripts	480µl
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µl
ber1 Standards	5 quantitation Standards (100,000 to 10 copies/µl)	150µl
ABL Standards	4 quantitation Standards (100,000 to 100 copies/µI)	150µl
Water	PCR grade Water	200µl
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1





Kit Specifications

Analytical Sensitivity	2 copies/µl or 0.02% for bcr1 in the context of 10,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM, VIC)

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.

AmitisGen

PML-RARA (bcr2) RQ Kit

Packaging Kit is available as 24 and 48 reactions of 25µl.

Detection and Quantitation of PML-RARA (bcr2) Transcripts

PML-RARA is an abnormality resulted from ±(15:17) (q22: q21) translocation. This translocation results in fusion of PML (prompelocytic) gene with RARA (retineia acid receptor alpha) gene, and production of chimieic PML-RARA protein which is a transcription repressor and impairs the myeloid differentiation. While RARA breakpoints always occur in intro 2, PML breakpoints involves three different regions of intron 6 (55%), exon 6 (5%) and intron 3 (40%). The resulted isoforms of PML-RARA are respectively called ber1/Long/II, ber2/Variant/V and ber3/Short/S.

PML-RARA accounts for more than 90% of APL (acute progranula leukemia) cases, 10%-15% of AML (acute myeloid leukemia) case

PML-RARA (bcr2) RQ Kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of PML-RARA (bcr2) transcripts and monitoring MRD.

Advantages of PML-RARA (bcr2) RQ Kit

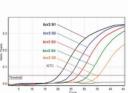
The bcr2 and ABL Mixes contain all necessary reagents for Real-Time PCR and are ready to use; no further reagent or mixing is required. Reactions are prepared simply by addition of the mix directly to the tubes followed by the sample CDMA. Results can be viewed in Green/FAM channel for bcr2 and Yellow/VIC channel for ABL.

Control Gene

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample. RNA extraction and cDNA synthesis, preventing related false negative results.

Kit contents

ber2 RQ Mix	Ready to use PCR Master Mix containing all required reagents for detection of bcr2 transcripts	480µ
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µ
bcr2 Standards	5 quantitation Standards (100,000 to 10 copies/µI)	150µ
ABL Standards	4 quantitation Standards (100,000 to 100 copies/µI)	150µl
Water	PCR grade Water	200µ
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1



MIMM

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Kit Specifications

Analytical Sensitivity	2 copies/µl or 0.02% for bcr2 in the context of 10,000 copies/µl of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM, VIC)

Packaging Kit is available as 24, 48 and 96 reactions of 25µl.



PML RQ

KRAS RQ

PML-RARA (bcr3) RQ Kit

Detection and Quantitation of PML-RARA (bcr3) Transcripts

PML-BARA is an abnormality resulted from t(15:17) (q22: q21) translocation. This translocation results in fusion of PML (promyelocytic) gene with RARA (retinoic acid receptor alpha) gene, and production of chimieic PML-BARA protein which is a transcription repressor and impairs the myeloid differentiation. While RARA breakpoints always occur in intro 2, PML breakpoints involves three different regions of intro 6 (5%), exon 6 (5%), and intro 3 (40%). The resulted isoforms of PML-RARA are respectively called bor 1/Long/L, bor 2/Variant/Y and bor 3/Short/S.

PML-RARA occounts for more than 90% of APL (acute programulocytic leukemia) cases, 10%-15% of AML (acute myeloid leukemia) cases. PML-RARA (bcr3) RD kit provides a ready-to-use Real-Time PCR assay for detection and quantitation of PML-RARA (bcr3) transcripts and monitoring MRD.

Advantages of PML-RARA (bcr3) RQ Kit

Ready to Use

Neady to Use

The bor3 and ABL Misses contain all necessary reagents for Real-Time
PCR and are ready to use, no further reagent or mixing is required.
Reactions are prepared simply by addition of the mix directly to the
tubes followed by the sample COMA. Results can be viewed in
Green/FAM channel for bor3 and Yellew/ViC channel for ABL.

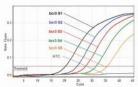
Control Gene

Kit also provides PCR Mix and Standards for assessment of ABL expression as the control gene. This would evaluate quality of the patient sample, RNA extraction and cDNA synthesis, preventing related false negative results.

bor3 RQ Mix	Ready to use PCR Master Mix containing all required reagents for detection of bcr3 transcripts	480µ
ABL Mix	Ready to use PCR Master Mix containing all required reagents for detection of ABL transcripts	480µ
bcr3 Standards	5 quantitation Standards (100,000 to 10 copies/µI)	150µ
ABL Standards	4 quantitation Standards (100,000 to 100 copies/µl)	150µ
Water	PCR-grade Water	200µ
CD & Manual	Containing all required information and instruction for use	1
Quick Guide	A short version of instruction for use	1

Packaging
Kit is available as 24, 48 and 96 reactions of 25µl.





Kit Specifications

Analytical Sensitivity	2 copies/yil or 0.02% for bcr3 in the context of 10,000 copies/yil of ABL transcripts
Reaction Type	Quantitative Real-Time PCR
Detection Method	TaqMan probe, Singleplex (FAM, VIC)



