

DIAGNOSTIC

HemaVision 28Q

Fast
screening for
Leukemia -
associated
translocations

HemaVision

Detect translocations
in just 4 hours.

HemaVision®28Q

- Fast
Results in just 4 hours
- Screening for 28
translocations
- Detection of +145 break-
points and splice variants
- CE-IVD marked test

Cod. NLM AA1308 HemaVision 28Q (WLP), 12t
(ABI 7500 Fast, ABI ViiA7, ABI Quantstudio 5, Biorad CFX96, 96 Touch e Opus
(non Deepwell), RocheLightCycler480)

Cod. NLM AA1309 HemaVision 28Q (WRP), 12t
(ABI 7500, ABI Quantstudio 5, Biorad CFX Opus (Deepwell))

Cod. NLM AA1310 HemaVision 28Q (FRP), 12t
(Agilent Mx3000P e Mx3005P)

Cod. AA1750/12 HemaVision 28Q (CLP), 12t
(Aria Dx e Aria Mx)

Introduction

HemaVision®-28Q is a RT-qPCR based assay (Reverse Transcription followed by Real-Time PCR) for detection of leukemia associated fusion gene transcripts in total RNA from whole blood or bone marrow samples.

HemaVision®-28Q provides a rapid screening for 28 translocations with more than 145 clinically relevant chromosomal breakpoints. Both common and rare translocation breakpoints and alternative splice variants are detected in only 4 hours from RNA extraction.

The kit screens for rare translocations and fusion products, which cannot be detected with other commercial screening kits.

28 translocations

del1(p32) (STIL-TAL1)

t(1;11) (p32;q23) (KMT2A-EPS15)

t(1;11) (q21;q23) (KMT2A-MLLT11)

t(1;19) (q23;p13) (TCF3-PBX1)

t(3;5) (q25;q34) (NPM1-MLF1)

t(3;21) (q26;q22) (RUNX1-MDS1/EVI1)

t(4;11) (q21;q23) (KMT2A-AFF1)

t(5;12) (q33;p13) (ETV6-PDGFRB)

t(5;17) (q35;q21) (NPM1-RARA)

t(6;9) (p23;q34) (DEK-NUP214)

t(6;11) (q27;q23) (KMT2A-AFON)

t(8;21) (q22;q22) (RUNX1-RUNX1T1)

t(9;9) (q34;q34) (SET-NUP214)

t(9;11) (p22;q23) (KMT2A-MLLT3)

t(9;12) (q34;p13) (ETV6-ABL1)

t(9;22) (q34;q11) (BCR-ABL1)

t(10;11) (p12;q23) (KMT2A-MLLT10)

t(11;17) (q23;q21) (KMT2A-MLLT6)

t(11;17) (q23;q21) (ZBTB16-RARA)

t(11;19) (q23;p13.1) (KMT2A-ELL)

t(11;19) (q23;p13.3) (KMT2A-MLLT1)

t(12;21) (p13;q22) (ETV6-RUNX1)

t(12;22) p13;q11) (ETV6-MN1)

t(15;17) (q24;q21) (PML-RARA)

inv(16) (p13;q22) (CBFB-MYH11)

t(16;21) (p11;q22) (FUS-ERG)

t(17;19) (q22;p13) (TCF3-HLF)

t(X;11) (q13;q23) (KMT2A-FOXO4)

How the test works?

The starting material for the HemaVision tests is total RNA extracted from whole blood or bone marrow.

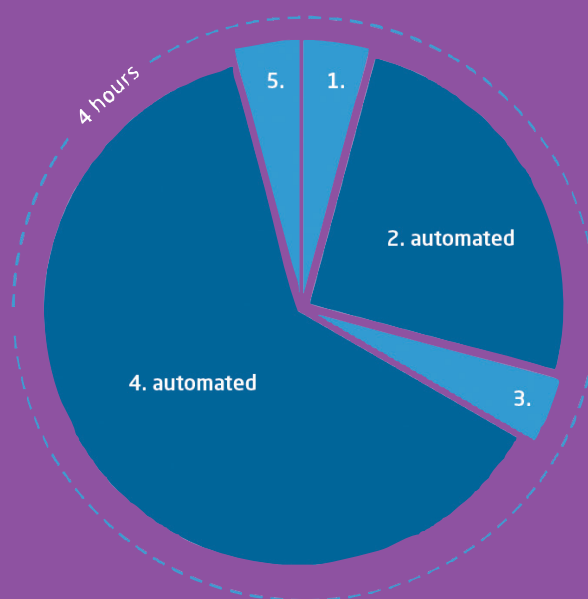
RNA is added to a ready-to-use HemaVision® 28Q cDNA reaction tube and incubated for 1 hour.

cDNA template is transferred to each of the pre-mixed HemaVision® 28Q PCR reaction tubes.

Run a qPCR in a real-time PCR instrument for 2.5 hours using FAM, ROX, and Cy5 channels.

The test is completed in 4 hours after RNA extraction.

Easy and fast workflow



1. Pipetting/2. cDNA synthesis/3. Pipetting/4.qPCR/5.Interpretation

DNA DIAGNOSTIC

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