

DNA
DIAGNOSTIC

HemaVision 28N

**Specific and
sensitive
detection**
of the most
common
leukemia
translocations

HemaVision®-28N

- Screening test for leukemia associated translocations
- Screening for 28 translocations
- Detection of 145 breakpoints and splice variants
- CE-IVD marked test

HemaVision

Detect translocations
in just 12 hours.

Introduction

HemaVision®-28N is a nested multiplex RT-PCR based assay (Reverse Transcription of RNA followed by PCR and agarose gel electrophoreses) for detection of leukemia associated fusion gene transcripts in total RNA from whole blood or bone marrow samples.

HemaVision®-28N provides a screening for 28 translocations with more than 145 clinically relevant chromosomal breakpoints. Translocation breakpoints and alternative splice variants are detected.

The kit contains a screening and subtyping test ensuring high specificity and higher sensitivity than e.g. FISH.

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 test is a nested PCR test with a multiplex master PCR. Positive samples in the master PCR will be re-test in a split-out reaction.

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

The test requires a thermal cycler and standard laboratory equipment. It can be completed in 12 hours after RNA extraction.

Catalogue numbers:

HV01-28N

For more info visit www.dna-diagnostic.com or contact Tel +45 87 32 30 50 · info@dna-diagnostic.com

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About us DNA Diagnostic A/S is a Danish biotech company established in 1992. DNA Diagnostic develops and manufactures qPCR test kits for rapid identification of pathogenic microorganisms in human, food, dairy and animal. DNA Diagnostic is ISO 13485 certified.