

TRUPCR® ALL Panel Kit

NEED

Leukemia is defined as neoplastic proliferation of abnormal white blood cells (WBCs) and Acute Lymphoblastic Leukemia (ALL) is mainly a disease of childhood that arises from recurrent genetic alterations that block precursor B- and T-cell differentiation and drive aberrant cell proliferation and survival.

Due to the advances in the cytogenetic and molecular characterization of the acute leukemias in the past two decades, genetic alterations can now be identified in more than 80% of cases of ALL.

With the advent of new technologies, the detection and characterization of genetic alterations such fusion genes have begun to play an important role in how the disease is approached. These chromosomal translocation influences the prognosis and therapeutic approach used for treatment of ALLs

SOLUTION BY TRUPCR®

Recent evidence shows that the identification of new ALL biomarkers contributes to a better understanding of the molecular basis of the disease, are significantly useful in screening, diagnosis, prognosis and monitoring of ALL, as well as the possibility of predicting each individual's response to treatment. TRUPCR® provides solution for detection of most relevant molecular biomarkers associated with Acute Lymphoblastic Leukemia and discusses their clinical importance in terms of risk prediction, diagnosis and prognosis.

TRUPCR® ALL Panel Kit is intended for the qualitative detection of diagnostic and prognostic markers of Acute Lymphoblastic Leukemia in peripheral blood or bone marrow samples using real time PCR system. TRUPCR® ALL Panel kit requires cDNA as template. The RNA should be extracted from the samples and then it should be converted to cDNA using given components in kit.

MARKERS



PRODUCT HIGHLIGHTS:

- Sample Type – EDTA Blood / Bone Marrow
- All Inclusive Kit as all reagents for cDNA chemistry, PCR and real-time PCR are included
- Sensitivity to detect up to 10 copies of fusion transcripts
- Compatible Instruments – Applied Biosystems™ 7500 series / StepOne series / QuantStudio® series, Rotor-Gene Q, Bio-Rad CFX96, CFX384, AriaMx Real-Time PCR, Roche - LightCycler® 480 – II, Line gene K Real-Time PCR

Mutation Variants detected by TRUPCR® ALL Panel Kit

Gene	Variant
E2A-PBX1	TCF3-PBX1
TEL-AML1	BCL2L14-RUNX1
MLL-AF4	MLL_AF4_e10-e4
	MLL_AF4_e9-e4
	MLL_AF4_e9-e5
	MLL_AF4_e11-e4
	MLL_AF4_e9-e6
MLL-ENL	MLL_ENL_e9-e2
	MLL_ENL_e10-e2
MLL-AF9	MLL_AF9_e8-e9
	MLL_AF9_e8-e10
	MLL_AF9_e10-e6
MLL-AF6	MLL_AF6_e9-e2
MLL-AF10	MLL_AF10_e9-e4
BCR-ABL1	e13a2 & e14a2 (p210)
	e1a2 (p190)
	e19a2(p230)

ORDERING INFORMATION

Cat. No.	Description	Size
3B1405	TRUPCR® ALL Panel Kit	24 Reactions
3B1408	TRUPCR® ALL Panel Kit	48 Reactions

