

## NPM1 (MutA,B,C&D) Mutation Detection Kit

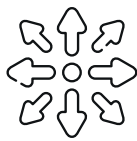
- Quantitative detection on 4 most common mutations (A, B, C and D mutations) in NPM1 gene.
- Superior analytical sensitivity and specificity with Allele Specific PCR.
- Fast and Easy use with Multiplex Realtime PCR Technology.
- Automatic analysis with geneMAP™ viewer (for CFX96™ / BIO-RAD).

CE-IVD

Real-time PCR



ONE STEP



MULTIPLEX



FAST



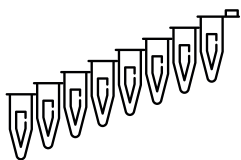
SENSITIVE



QUANTITATIVE

NPM1 Mutation detection Kit is intended for detection and mutation ratio calculation of Nucleophosmin-1 (NPM1) A, B, C and D mutations from peripheral blood and bone marrow from Acute Myeloid Leukemia patients. The kit can not distinguish between the MutA, MutB, MutC & MutD. The results obtained are intended to be used as an aid to monitor efficacy of treatment in patients undergoing therapy, and for minimal residual disease (MRD) follow-up to monitor disease relapse.

### Simple real time - PCR Workflow



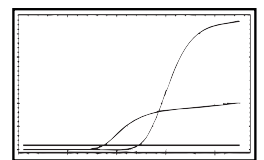
#### Sample preparation

Add RNA to the reaction mix



#### Multiplex OneStep qPCR

Multiplex one-step qPCR using primers designed to amplify RNA sequences specific for each translocation of interest.



#### Data interpretation

Translocations are identified by real-time PCR.



### Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500, QuantStudio Series
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR
- BaseTyper™, Pentabase

### Ordering Information

NPMQ-RT24

geneMAP™ NPM1 (MutA,B,C&D)

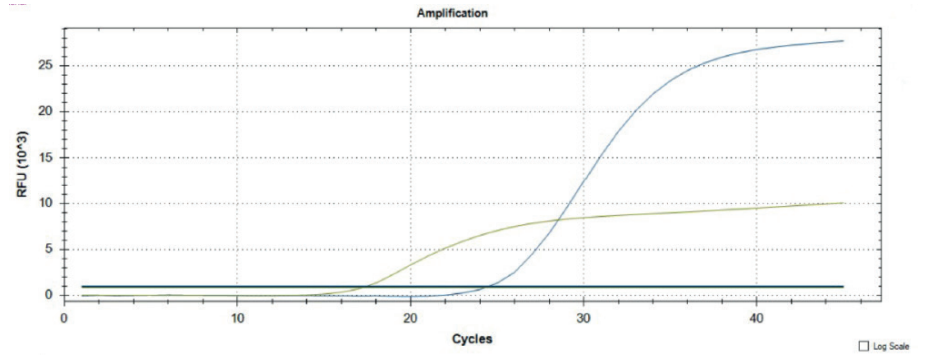
Mutation Detection Kit

24 tests **CE-IVD**

CE-IVD is available in the EU and countries outside EU accepting the CE-IVD certification. Available as RUO in all other countries.

### Technical Specifications

Detection of Nucleophosmin-1 (NPM1) A, B, C and D mutations and calculation of mutation rate.



### CONTENTS

### VOLUME

5x NPM1 (mut A, B, C&D) Primer-Probe Mix

132 µl

5x One-Step qRT-PCR Buffer

132 µl

OneStep qRT\_PCR Enzyme Mix

53 µl

RNase Free Water

400 µl

Positive Control

50 µl

In GENMARK SAĞLIK URUNLERI, we aim to create the top quality, time and cost efficient, trust-worthy and user-friendly products. We specialize in in-vitro detection kit production and development which is used for the diagnosis and treatment monitoring of many diseases connected to genetics, oncology, microbiology and hematological oncology.