

SNP | rapid SNP routine diagnostic

- Combination of rapidPCR and endpoint detection
- Simple and fast genotyping
- Ideal for daily routine



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New, faster and easier SNP diagnostics

The SNPtower for rapid SNP routine diagnostic is based on a new patent pending method. It combines the advantages of exceptionally fast rapidPCR and simple endpoint detection by using a new method. It makes genotyping of allele conditions extremely simple and fast (for detection of SNP's or of point mutations). The analysis is based on the combination of rapidPCR and subsequent endpoint fluorescence detection. The test principle is building on robust homogeneous exonuclease assay. After execution of the exonuclease assays the detection of the fluorescence signals takes place in the form of an endpoint determination (not in real-time).

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the execution of the assays whereby the risk of contamination is significantly restricted. It so represents an excellent and cost-effective alternative to other expensive SNP detection systems.

- Integrated genotyping software Aspect SNP
- 96 samples in parallel within less than 60 minutes
- Multi-component analysis
- Risk of contamination is significantly restricted
- Alternative to other expensive SNP detection systems

Prepared for the future

To meet different demands of applications, the SNPtower can be equipped with up to 6 excitation and emission filters of choice. These filters are easily interchangeable by the user. This keeps the system open for future adaptations or changes. Therefore the instrument is ideally suited for multiplex applications and covers most currently available dyestuffs.

- Up to 6 excitation and emission filters available
- Open for future adaptations or changes
- Read-out of 96 wells within 4 sec (independent of the number dyes)

Fast detection of PCR products

In addition to SNP diagnostics the SNPtower can be used as fluorescence reader for easy determination of PCR products. Particularly for diagnostic applications, simple yes/no statements are frequently sufficient, e.g. in demonstrating the simple presence of a microorganism in a clinical sample as evidence of an infection.

Aspect SNP – simple and clear

Intuitive, fast and easy operation are hallmarks of the SNPtower software. It not only controls the PCR reaction and the following measurements processes, it also permits an extensive, GLP-complaint evaluation.



Basis for the final analysis of the allele conditions is the integrated genotyping software Aspect SNP. With this software the analytical evaluation of measured endpoint fluorescence of both probes takes place by means of a multicomponent analysis. This analysis allows the accurate determination of the available allele condition, is furthermore extreme fast and permits the measurement of up to 96 samples in parallel within less than 60 minutes. There is no need to open up the sample vessels after

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Subject to changes in design and scope of delivery
as well as further technical development!

