



QIASymphony® Bisulfite Kits

An automated workflow for DNA methylation analysis

Why is DNA methylation analysis important?

Not all genes are active at all times. DNA methylation is one of several epigenetic mechanisms that cells use to regulate gene expression. Methylation has an important role in many cellular processes, including embryonic development, genomic imprinting and X-chromosome inactivation. Changes in DNA methylation patterns are also common in many tumor types and are, therefore, important biomarkers in tumorigenesis.

The most popular way to determine the methylation status of a DNA sequence is using bisulfite conversion.

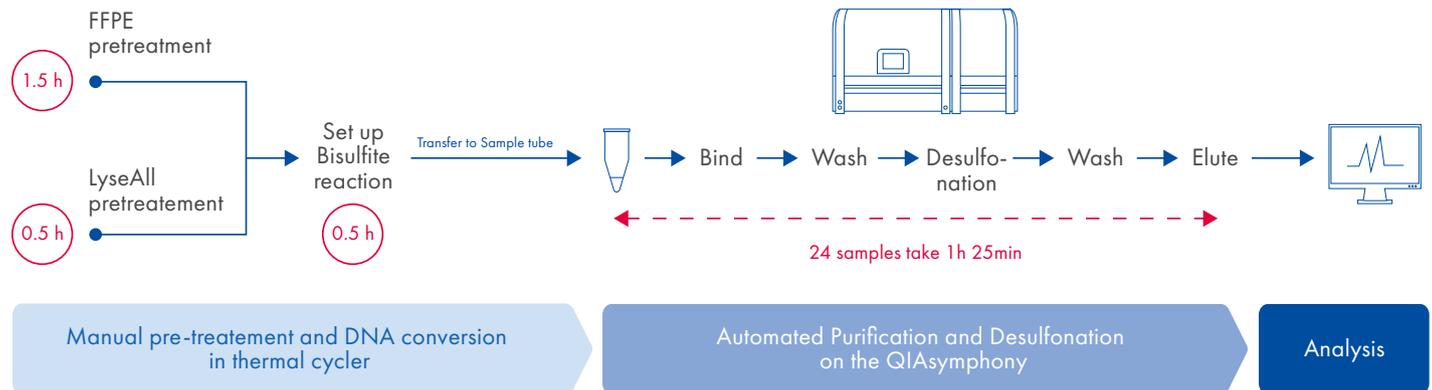


Bisulfite conversion can be challenging

- It is a time-consuming process
- There is a high risk of DNA fragmentation
- Low conversion rates often lead to poor downstream results
- DNA yields are insufficient with low sample DNA or short fragments

We can help you harness the power of bisulfite conversion

Reduce hands-on time and maximize quality with the QIASymphony Bisulfite Kit workflow



QIASymphony Bisulfite Kits are based on magnetic beads and are suitable for FFPE samples, genomic DNA, blood, cells and tissue



Faster results, less hands-on time

- No separate DNA extraction
- Bisulfite reaction within 30 minutes
- Release lab staff for up to 6h a day



Reliable and robust performance

- Easy-to-use modular system with continuous sample loading
- Bar code reading for sample tracking
- Low risk of pipetting errors
- High sample traceability



High-quality downstream analysis

- Conversion efficiency >99%
- Low risk of DNA fragmentation
- No DNA extraction means higher yields for further analysis
- Direct use of converted DNA for NGS, PCR and/or Pyrosequencing



To order the kits please visit:
www.qiagen.com/QSBisulfiteKits



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