SOPHIMARK

FloNASep Extraction Kit

Rapid nucleic acid purification by cost-effective lateral flow technology

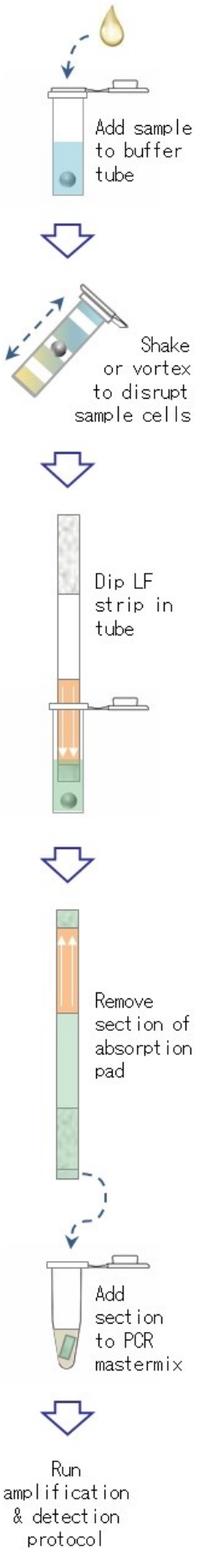
Versatile – Process a wide range of samples for assorted molecular assays

Simple – Perform using one buffer tube and one lateral flow strip provided

Quick – Extract and obtain purified nucleic acids in less than 5 minutes

Flexible – Test purified nucleic acids immediately or store safely for years

Robust – Deploy in the field, at the point of care or in the laboratory



Background

Until now, extracting nucleic acids ('NA') has required access to laboratory facilities and been time-consuming. FloNASep kits overcome these constraints to provide timely and high quality NA extraction wherever you need it, including for point-of-care and in-the-field applications.

Applications

FloNASep has been developed to extract host, viral, bacterial and fungal DNA and RNA. Suitable samples include bodily secretions such as saliva, blood, faeces, plant material and milk. NA extracted by FloNASep can be used as a template for conventional and real-time PCR, as well as isothermal amplification technologies such as LAMP and RPA.

Performance

Each FloNASep kit rapidly delivers sufficient NA for multiple molecular tests, which may be processed immediately following extraction or at a series of random extended storage intervals.

NA extraction performance is comparable to solid phase spin columns[†]. Ct values are similar, including for samples containing compounds inhibitory to NA amplification enzymes.

Storage

Extracted NA remains stable in dried FloNASep strips for at least 7 years at room temperature. For storing extracted NA, the extraction protocol is followed but only partially completed. The protocol is then continued through to completion when the extracted NA is required for analysis.

Potential applications of FloNASep as a storage medium include: storage of NA following whole-genome amplification; storage and shipping of proficiency testing samples; collection of in-field NA samples and sending them for laboratory testing, and; archiving samples for library purposes.

References

Tomlinson J *et al* (2010) Phytopathology Vol 100 No. 2 pp. 143-149
Tomlinson J *et al* (2010) Journal of Microbiological Methods Vol 81 pp. 116 - 120

Contact

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FloNASep is based on patented technology licensed exclusively from FERA Science Limited.

[†] Comparative testing with Qiagen DNeasy Plant Mini kit