

# Smart Notes

Barcode reader helps to ensure accurate traceability in sample purification



## How can barcode readers help increase reliability in sample purification?

Human error is an unavoidable part of laboratory work, as is user variability. Both have the potential to impact sample purification at any experiment step — from materials ordering and sample preparation, to the recording and reporting of protocol.

Many laboratories implement standardized methodology for nucleic acid and protein purification and maintain detailed records on samples, reagents and plastics. All of this takes time however, and errors can creep in — even when best practices are in place. Use of a barcode reader with a purification instrument to scan and record the necessary information can help reduce the likelihood of human error, without distracting laboratory staff from the task at hand.

By using a simple barcode reader with the Thermo Scientific™ KingFisher™ Duo Prime system, every member of the research team can now accurately capture the relevant consumables serial and/or lot numbers to the run log. The procedure allows research staff to maintain excellent traceability with less effort.





# How can the use of a barcode reader help me manage the details of my experiments?

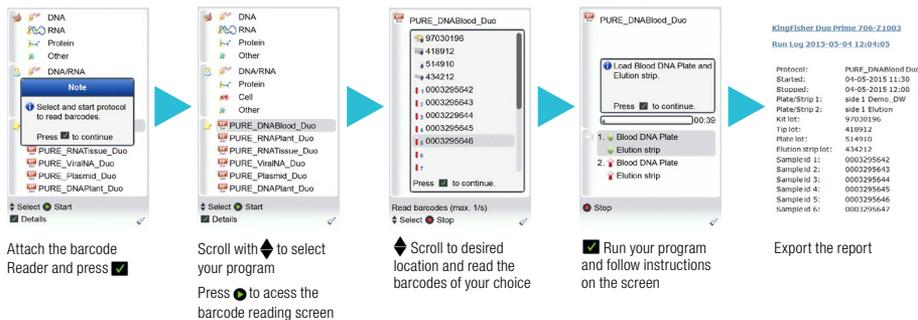
## Streamlined Workflow, Improved Traceability

A barcode reader helps users accurately track study specimens and supplies. Relevant sample and reagent information is collected and any incorrect or expired supplies can be flagged by scientists and technicians. Overall traceability of supplies and samples is greatly improved.

Routine use of a barcode reader also simplifies many time-consuming tasks, such as the recording of sample information. This can remove manual typing variables, allowing less experienced laboratory staff to log the experiments with the same degree of standardization (and without additional oversight). When it comes to sample purification, everything is up-to-date and organized for each and every user.

## Your Automated Assistant

At the end of each run with the KingFisher Duo Prime, a log report that includes all the details of your program and associated barcode-information is created for your convenience. This streamlines subsequent analysis and reporting steps and allows the few remaining variables, such as reagent batch, to be actively addressed.



The workflow of a barcode reader used with the KingFisher Duo Prime sample purification instrument.



## Summary

Using a barcode reader with the KingFisher Duo Prime instrument eliminates time-consuming preparation steps, while helping to safeguard against error. For busy laboratories it can unite sample tracking, protocols and recording for seamless standardization.



Visit [thermoscientific.com/kingfisher](http://thermoscientific.com/kingfisher) to learn more about Thermo Scientific sample purification systems.

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