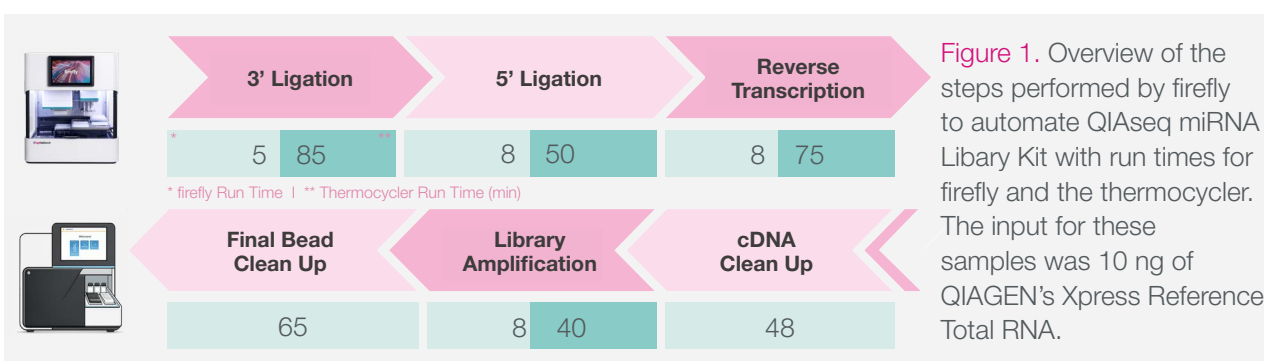


# Automating QIAseq<sup>®</sup> miRNA Library Kit on firefly<sup>®</sup>

## Introduction

The QIAseq<sup>®</sup> miRNA Library Kit enables Sample to Insight, precision next-generation sequencing (NGS) of mature miRNAs on Illumina NGS instruments. This highly optimized solution facilitates both enhanced differential expression analysis using integrated Unique Molecular Indices (UMIs) and novel discovery of miRNA from cells, tissues and biofluids. Here we demonstrate the successful automation of the QIAseq miRNA workflow on the compact and intuitive [firefly<sup>®</sup>](#) liquid handling platform.

## Workflow overview



## Protocol performance

### Automated preparation of QIAseq miRNA libraries on firefly

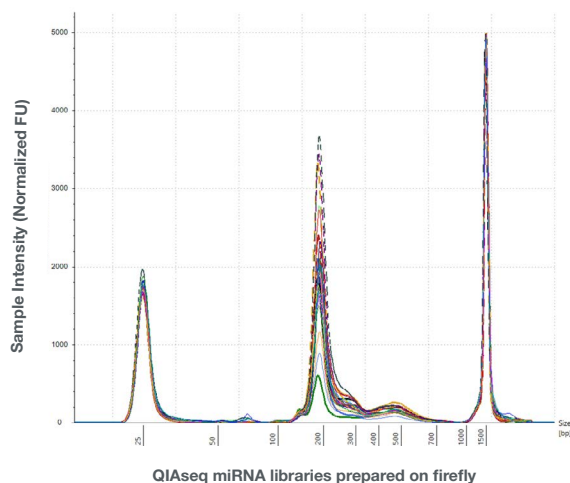


Figure 2. QC profiles of QIAseq miRNA libraries prepared using the automated workflow on the firefly platform show comparable fragment size distribution and library quality.

## Conclusion

firefly enables reproducible automation of the QIAseq miRNA workflow, generating libraries with consistent fragment size distribution and concentration suitable for downstream sequencing.

