TruSeq Custom Amplicon Low Input

Target more breakthroughs.

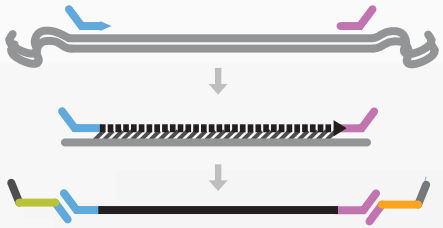
The TruSeq Custom Amplicon Low Input workflow is a highly targeted approach offering unparalleled efficiency in discovering, validating, and screening genetic variants, even from limited and challenging samples. Following whole-genome or exome sequencing, deep sequencing lets you interrogate your specific areas of interest for higher coverage and greater resolution.

Access more discovery power.

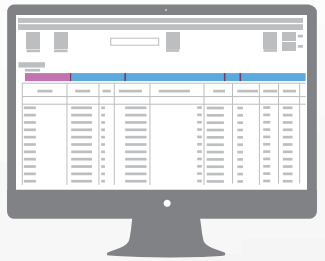
- Study and deeply interrogate specific areas of interest, following whole-genome sequencing (WGS), whole-exome sequencing (WES), array, or fine mapping studies.
- Analyze variants across a wide range of applications, including population genetics, genetic disease, and cancer studies.
- Utilize a cost-effective alternative to broader methods, such as WGS.

Highlights

- Achieve accurate variant detection from as little as 10 ng of DNA.
- Experience a completely customizable solution using the DesignStudio™ Tool for your genes and targets of interest.
- Leverage Illumina Concierge for additional design assistance and optimization.
- Sequence up to 1536 amplicons in a single reaction using a simple workflow.
- Rely on a fully supported, optimized workflow solution that includes simple onboard or cloud-based data analysis.



TruSeq Custom Amplicon Low Input Kit



On System: Local Run Manager—Amplicon
On Cloud: BaseSpace® Platform—TruSeq Amplicon
On Site: BaseSpace® Platform—TruSeq Amplicon
VariantStudio

Prepare library → Sequence → Analyze data

TruSeq Targeted RNA Expression

Explore regions of interest.

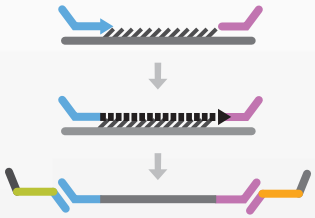
The TruSeq Targeted RNA Expression workflow allows you to profile the expression of select target genes to assess the functional impact of disease-associated variants and epigenetic alterations. Leveraging cost and workflow advantages over existing techniques such as quantitative polymerase chain reaction (qPCR), this workflow offers custom panel design in addition to a range of fixed panels for commonly studied pathways.

Access more discovery power.

- Focus on transcripts of interest with accuracy and specificity.
- Achieve differential expression analysis, allele-specific expression measurement, and fusion gene verification utilizing qualitative and quantitative information.
- Measure dozens to thousands of targets simultaneously.

Highlights

- Work with low-quality or formalin-fixed, paraffin-embedded (FFPE)-derived RNA samples.
- Start with as little as 50 ng of total RNA.
- Leverage RNA fixed panels, including apoptosis, cardiotoxicity, cell cycle, hedgehog pathway, neurodegeneration, NFKB pathway, P450 pathway, P53 pathway, stem cells, Wnt pathway panels.
- Rely on a fully supported, optimized workflow solution that includes simple onboard or cloud-based data analysis.



TruSeq Targeted RNA Kit

On System: Local Run Manager—Targeted RNA
On Cloud: BaseSpace Platform—TruSeq Targeted RNA
On Site: BaseSpace Platform—TruSeq Targeted RNA

Prepare library → Sequence → Analyze data

Targeted RNA sequencing

TruSeq Small RNA

Further your understanding.

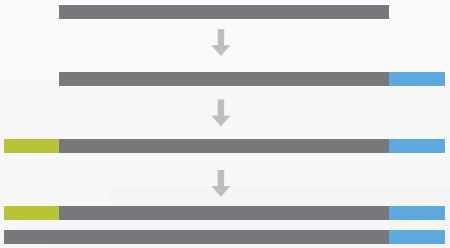
The TruSeq Small RNA workflow allows you to accelerate your research by studying thousands of microRNA and other small RNA sequences. No prior knowledge of the transcriptome is needed. Benefit from high sensitivity and dynamic range for small RNA discovery and profiling across a wide range of organisms.

Access more discovery power.

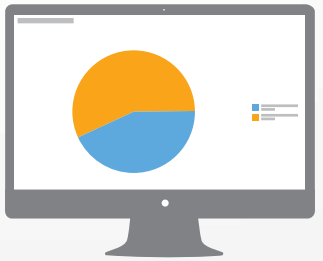
- Gain an understanding of how post-transcriptional regulation contributes to phenotype.
- Drive discovery of novel small RNA species and biomarkers.
- Capture the complete microRNA transcriptome.

Highlights

- Experience a simple, cost-effective solution for generating small RNA libraries directly from total RNA.
- Target microRNAs with the modified adapters included in the kit.
- Rely on a fully supported, optimized workflow solution that includes simple onboard or cloud-based data analysis.



TruSeq Small RNA Kit



On System: Local Run Manager—Small RNA
On Cloud: BaseSpace Platform—Small RNA
On Site: BaseSpace Platform—Small RNA

Prepare library → Sequence → Analyze data