

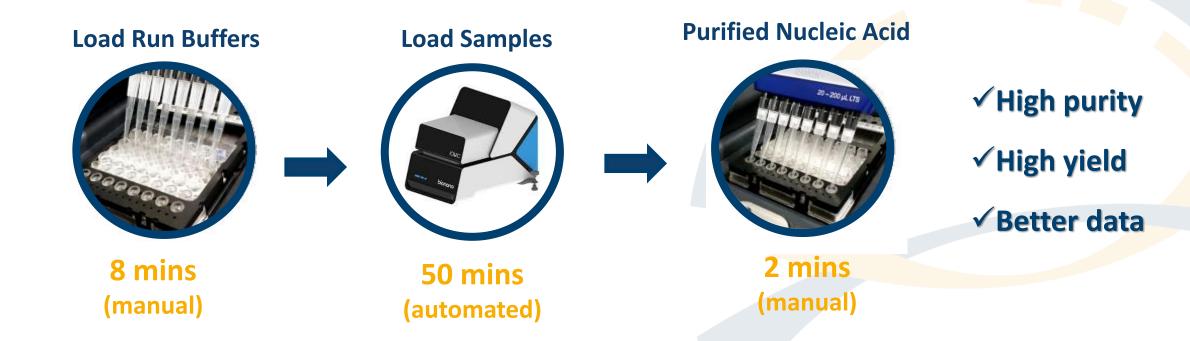
Problematic Samples in NGS Optimization of Nucleic Acid Isolation Non-Traditional NGS Projects

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High performance Isolation in IAB!

- Reliable isolation, purification and concentration regardless of whether from cells, tissues or FFPE samples
- Both DNA and RNA suitable
- State-of-the-art Ionic Purification System (Bionano)







IAB Genome

ISOLATION SAMPLE QC NGS LIBRARY PREPARATION

Library preparation:

- TruSeq DNA PCR-Free Library Prep Kit (Illumina)
- Long-Read Sequencing Library Prep Kit (Illumina)



✓ Unique coverage quality enabling deep insight into various genomes



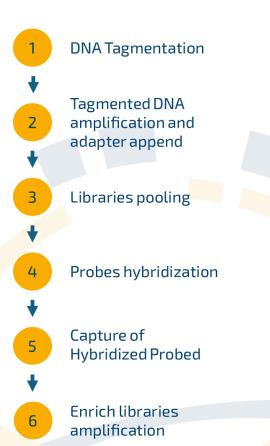


IAB Exome

ISOLATION SAMPLE QC NGS LIBRARY PREPARATION

Library preparation:

- Illumina® DNA Prep with Enrichment
- Twist Alliance VCGS Exome
- Twist Mitochondrial Panel
- ✓ Excellent level of uniformity for sequencing efficiency









IAB Transcriptome

ISOLATION SAMPLE QC NGS LIBRARY PREPARATION

Library preparation:

SMARTer® Stranded Total RNA-Seq (Takara Bio)



NEB Next Ultra II Directional RNA Library Prep kit (New England Biolabs)







✓ NGS library preparation even from low quality or quantity of RNA possible



Ask for full presentation <u>here</u> and explore more isolation and library preparation!

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