

# **Local Run Manager**

## **Library QC Analysis Module v2.2**

### **Release Notes**

## Introduction

These Release Notes detail notable items for the Local Run Manager Library QC Analysis Module v2.2 release.

Please note that the Library QC Analysis Module v2.2 requires Local Run Manager Framework v3.0 or higher and is not compatible with Local Run Manager Framework v2.4 or lower.

For more information on module version compatibility per instrument platform, refer to Local Run Manager Module Selector (<https://customprotocolselector.illumina.com/selectors/LRM-module-selector/Content/Source/FrontPages/LRM-module-selector.htm>).

For more information about this analysis module and how to use it, refer to the Local Run Manager Library QC Analysis Module Workflow Guide, available from the Local Run Manager Support Page, Documentation & Literature ([https://sapac.support.illumina.com/sequencing/sequencing\\_software/local-run-manager.html](https://sapac.support.illumina.com/sequencing/sequencing_software/local-run-manager.html)).

### NEW FEATURES:

Updated the following Library Prep Kit with new Index Kits & existing Index Kits and removed End-of-Life Nextera Index Kits:

Library Prep Kit	Index Kits
Illumina DNA Prep	<p>Ilmn UD Indexes LT (New)</p> <p>Ilmn DNA-RNA UD Indexes SetA Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetB Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetC Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetD Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetABCD Tagmentation (New)</p> <p>Nextera DNA CD Indexes - 96 Indexes Plated</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetA Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetB Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetC Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetD Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetABCD Tagmentation</p> <p>Nextera DNA CD Indexes - 24 Indexes Tubed (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A B C D - 384 Indexes (Removed)</p>
Illumina DNA Prep with Enrichment	<p>Ilmn UD Indexes LT (New)</p> <p>Ilmn DNA-RNA UD Indexes SetA Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetB Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetC Tagmentation (New)</p>

	<p>Ilmn DNA-RNA UD Indexes SetD Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetABCD Tagmentation (New)</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetA Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetB Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetC Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetD Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetABCD Tagmentation</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A B C D - 384 Indexes (Removed)</p>
<p>Illumina DNA PCR-Free 2x149</p> <p>Illumina DNA PCR-Free 2x151</p>	<p>Ilmn DNA-RNA UD Indexes SetA Tagmentation - ILMN PCR-Free (New)</p> <p>Ilmn DNA-RNA UD Indexes SetB Tagmentation - ILMN PCR-Free (New)</p> <p>Ilmn DNA-RNA UD Indexes SetC Tagmentation - ILMN PCR-Free (New)</p> <p>Ilmn DNA-RNA UD Indexes SetD Tagmentation - ILMN PCR-Free (New)</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetA Tagmentation - ILMN PCR-Free</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetB Tagmentation - ILMN PCR-Free</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetC Tagmentation - ILMN PCR-Free</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetD Tagmentation - ILMN PCR-Free</p>
<p>Nextera XT</p>	<p>Ilmn UD Indexes LT (New)</p> <p>Ilmn DNA-RNA UD Indexes SetA Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetB Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetC Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetD Tagmentation (New)</p> <p>Ilmn DNA-RNA UD Indexes SetABCD Tagmentation (New)</p> <p>Nextera XT Index Kit - 24 Indexes</p> <p>Nextera XT Index Kit v2 Set A</p> <p>Nextera XT Index Kit v2 Set B</p> <p>Nextera XT Index Kit v2 Set C</p> <p>Nextera XT Index Kit v2 Set D</p> <p>Nextera XT Index Kit v2 Set A B C D</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetA Tagmentation (New)</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetB Tagmentation (New)</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetC Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetD Tagmentation</p> <p>IDT-Ilmn DNA-RNA UD Indexes SetABCD Tagmentation (New)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set B - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p>

	IDT-ILMN Nextera DNA UD Indexes Set A B C D - 384 Indexes (Removed)
TruSeq DNA Exome Enrichment	<p>IDT-ILMN TruSeq DNA UD Indexes - 24 Indexes</p> <p>IDT-ILMN TruSeq DNA UD Indexes - 96 Indexes</p> <p>IDT-ILMN TruSeq DNA UD Indexes v2 - 96 Indexes</p> <p>TruSeq Exome - 8 rxn x 3 6 9 plex</p> <p>TruSeq Exome - 8 rxn x 12 plex</p> <p>TruSeq DNA CD Indexes - 96 Indexes</p> <p>TruSeq DNA Single Indexes Set A B</p> <p>TruSeq DNA Single Indexes Set A</p> <p>TruSeq DNA Single Indexes Set B</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set B - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Sets A B C D - 384 Indexes (Removed)</p>
TruSeq Nano DNA	<p>IDT-ILMN TruSeq DNA UD Indexes - 24 Indexes</p> <p>IDT-ILMN TruSeq DNA UD Indexes - 96 Indexes</p> <p>IDT-ILMN TruSeq DNA UD Indexes v2 - 96 Indexes</p> <p>TruSeq DNA CD Indexes - 96 indexes</p> <p>TruSeq DNA Single Indexes Set A B</p> <p>TruSeq DNA Single Indexes Set A</p> <p>TruSeq DNA Single Indexes Set B</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set B - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Sets A B C D - 384 Indexes (Removed)</p>
TruSeq Stranded mRNA	<p>IDT-ILMN TruSeq RNA UD Indexes - 24 Indexes</p> <p>IDT-ILMN TruSeq RNA UD Indexes - 96 Indexes</p> <p>IDT-ILMN TruSeq RNA UD Indexes v2 - 96 Indexes</p> <p>TruSeq RNA CD Indexes 96 Indexes</p> <p>TruSeq RNA Single Indexes Set A B</p> <p>TruSeq RNA Single Indexes Set A</p> <p>TruSeq RNA Single Indexes Set B</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set B - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A B C D - 384 Indexes (Removed)</p>

<p>TruSeq Stranded Total RNA</p>	<p>IDT-ILMN TruSeq RNA UD Indexes – 24 Indexes</p> <p>IDT-ILMN TruSeq RNA UD Indexes – 96 Indexes</p> <p>IDT-ILMN TruSeq RNA UD Indexes v2 – 96 Indexes</p> <p>TruSeq RNA CD Indexes 96 Indexes</p> <p>TruSeq RNA Single Indexes Set A B</p> <p>TruSeq RNA Single Indexes Set A</p> <p>TruSeq RNA Single Indexes Set B</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set B - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set C - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set D - 96 Indexes (Removed)</p> <p>IDT-ILMN Nextera DNA UD Indexes Set A B C D - 384 Indexes (Removed)</p>
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**DEFECT REPAIRS:**

- Fixed the discrepancy of the FASTQ data generation.
- Fixed issue where Sample table grid is not aligned with the Sample Number column as higher sample number are added. This issue is fixed on Local Run Manager Framework v3.2 or higher.

**KNOWN ISSUES:**

- MiSeq Suite v4.0: When importing sample sheet onto the MiSeq Control SW, unclear error message might be displayed. Check sample sheet if error is seen.
  - Common issues include formatting, ensure headers are specified, ensure workflow field is exactly as Local Run Manager interface display, etc.
- Analysis terminated with error message of unable to merge temporary Tribble output file. Starling aligner option is recommended until issue is fixed.
- During module update, library prep kit and index that were no longer supported still persist. Workaround in previous release notes is not applicable