

**Materials List for:**

# Targeted RNA Sequencing Assay to Characterize Gene Expression and Genomic Alterations

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URL: <https://www.jove.com/video/54090>

DOI: [doi:10.3791/54090](https://doi.org/10.3791/54090)

## Materials

| Name                                                         | Company               | Catalog Number             | Comments |
|--------------------------------------------------------------|-----------------------|----------------------------|----------|
| Thermomixer R                                                | Eppendorf             | 21516-166                  |          |
| Centrifuge 5417R                                             | Eppendorf             | 5417R                      |          |
| miRNeasy Mini Kit                                            | Qiagen                | 217004                     |          |
| Molecular Biology Grade Ethanol                              | Sigma Aldrich         | E7023-6X500ML              |          |
| Thermoblock 24 x 1.5 ml                                      | Eppendorf             | 21516-166                  |          |
| MiSeq Reagent Kit v2 (300-cycles)                            | Illumina              | MS-102-2002                |          |
| MiSeq Desktop Sequencer                                      | Illumina              |                            |          |
| PhiX Control v3                                              | Illumina              | FC-110-3001                |          |
| TruSeq Stranded Total RNA Kit with RiboZero Gold SetA        | Illumina              | RS-122-2301                |          |
| 25 rxn xGen® Universal Blocking Oligo - TS-p5                | IDT                   | 127040822                  |          |
| 25 rxn xGen® Universal Blocking Oligo - TS-p7(6nt)           | IDT                   | 127040823                  |          |
| 25 rxn xGen® Universal Blocking Oligo - TS-p7(8nt)           | IDT                   | 127040824                  |          |
| Agencourt® AMPure® XP - PCR Purification beads               | Beckman-Coulter       | A63880                     |          |
| Dynabeads® M-270 Streptavidin                                | Life Technologies     | 65305                      |          |
| COT Human DNA, Fluorometric Grade, 1 mg                      | Roche Applied Science | 05480647001                |          |
| Qubit® Assay Tubes                                           | Life Technologies     | Q32856                     |          |
| Qubit® dsDNA HS Assay Kit                                    | Life Technologies     | Q32851                     |          |
| SeqCap® EZ Hybridization and Wash Kits (24 or 96 reactions)  | Roche NimbleGen       | 05634261001 or 05634253001 |          |
| Qubit® 2.0 Fluorometer                                       | Life Technologies     | Q32866                     |          |
| 10 x 2 ml IDTE pH 8.0 (1x TE Solution)                       | IDT                   |                            |          |
| Tween20 BioXtra                                              | Sigma                 | P7949-500ML                |          |
| Nuclease Free Water                                          | Life Technologies     | AM9937                     |          |
| C1000 Touch™ Thermal Cycler with 96-Well Fast Rection Module | Biorad                | 185-1196                   |          |
| SeqCap EZ Hybridization and Wash Kits                        | Roche Applied Science | 05634253001                |          |
| SuperScript II Reverse Transcription 200 U/μl                | Life Technologies     | 18064-014                  |          |
| D1000 ScreenTape                                             | Agilent Technol. Inc. | 5067-5582                  |          |

|                                 |                       |             |  |
|---------------------------------|-----------------------|-------------|--|
| Agencourt RNAClean XP - 40 ml   | Beckman Coulter Inc   | A63987      |  |
| RNA ScreenTape                  | Agilent Technol. Inc. | 5067-5576   |  |
| RNA ScreenTape Ladder           | Agilent Technol. Inc. | 5067-5578   |  |
| RNA ScreenTape Sample Buffer    | Agilent Technol. Inc. | 5067-5577   |  |
| Sodium Hydroxide                | Sigma                 | 72068-100ML |  |
| DynaBeads MyOne Streptavidin T1 | Life Technologies     | 65602       |  |
| DYNAMAG -96 SIDE EACH           | Life Technologies     | 12331D      |  |
| Chloroform                      | Sigma                 | C2432-1L    |  |
| KAPA HotStart ReadyMix          | KAPA Biosystems       | KK2602      |  |
| NanoDrop 2000 Spectrophotometer | Thermo Scientific     |             |  |
| My Block Mini Dry Bath          | Benchmark             | BSH200      |  |
| D1000 Reagents                  | Agilent Technol. Inc. | 5067- 5583  |  |
| VacuFuge Plus                   | Eppendorf             | 022829861   |  |