



Required Materials for BD Rhapsody™ Training

This is a list of required equipment, kits, and reagents that are necessary for successful completion of the BD Rhapsody™ training. Please ensure that you possess, or have access to all of the following materials prior to scheduling your training.

Required BD Kits

1. The BD Rhapsody™ Targeted mRNA and AbSeq Reagent Kit - 4 Pack (Cat. N. 633771) consists of four boxes:
 - a. BD Rhapsody™ Cartridge Reagent Kit
 - b. BD Rhapsody™ Cartridge Kit
 - c. BD Rhapsody™ cDNA Kit
 - d. BD Rhapsody™ Targeted mRNA and AbSeq Amplification Kit
2. BD Rhapsody™ Immune Response Panel Hs (Cat. No. 633750)

Required Kits from other vendors

1. Qubit™ dsDNA HS Assay Kit Thermo Fisher Scientific - Q32851

Required Reagents from other vendors

1. Absolute ethyl alcohol, molecular biology grade Major supplier
2. Nuclease-free water Major supplier
3. Calcein AM Thermo Fisher Scientific - C1430
4. BD Pharmingen™ DRAQ7™ BD Biosciences - 564904
5. Dimethyl sulfoxide (DMSO) Major supplier
6. Agencourt® AMPure® XP magnetic beads Beckman Coulter - A63880
7. Ethyl alcohol (200 proof, molecular biology grade) Sigma-Aldrich - E7023-500ML

Required Consumables from other vendors

1. Falcon® Tube with Cell Strainer Cap Corning - 352235
2. Falcon tubes, 5 mL Round Bottom, Polystyrene Corning - 352054
3. Improved Neubauer Hemocytometer INCYTO - DHC-N01-5
4. DNA LoBind Tubes, 1.5 mL Eppendorf - 0030108051
5. DNA LoBind Tubes, 5 mL Eppendorf - 0030108310
6. Low retention filtered pipette tips, 10 µL Major supplier
7. Low retention filtered pipette tips, 200 µL Major supplier
8. Low retention filtered pipette tips, 1,000 µL Major supplier
9. Gilson™ PIPETMAN™ Tipack™ Filter Tips, 100–1,200 µL Thermo Fisher Scientific - F171803G
10. Gilson PIPETMAN Tipack Filter Pipet Tips, 500–5,000 µL Thermo Fisher Scientific - F161370G
11. Invitrogen™ Qubit™ Assay Tubes Thermo Fisher Scientific - Q32856
12. Empty Latch Racks for 500 µL Tubes Thermo Fisher Scientific - 4900 or 4890
13. 0.2 mL PCR 12-strip tubes Major supplier

Required Equipment from other vendors

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| 1. 6-Tube Magnetic Separation Rack for 1.5 mL tubes | New England Biolabs - S1506S |
| 2. Large magnetic separation stand | V&P Scientific, Inc. - VP 772FB-1 |
| 3. Clear acrylic cylinder adapter for 15 mL tube magnet | V&P Scientific, Inc. - VP 772FB-1A |
| 4. Magnetic separation stand for 0.2 mL, 8-strip tubes | V&P Scientific, Inc. - VP 772F4-1
or Clontech - 635011
Eppendorf - 5382000023 |
| 5. Thermomixer® (37°C, 1,200 rpm) | Eppendorf - 5360000038 |
| 6. SmartBlock™ Thermoblock 1.5 mL | Thermo Fisher Scientific - Q33216 |
| 7. Qubit™ 3.0 Fluorometer | VWR - 10153-348 |
| 8. Heat block capable of 80°C | Agilent Technologies - G2939BA
or G2991AA |
| 9. 2100 Bioanalyzer or 4200 TapeStation Instrument | Major supplier |
| 10. Thermal cycler with heated lid | Major supplier |
| 11. Water bath OR incubator at 37°C | Major supplier |
| 12. Digital timer | Major supplier |
| 13. Pipettes (P10, P20, P200, P1000) | Major supplier |
| 14. Microcentrifuge for 1.5–2.0 mL tubes | Major supplier |
| 15. Microcentrifuge for 0.2 mL tubes | Major supplier |
| 16. Centrifuge and rotor (5 and 15 mL tubes) | Major supplier |
| 17. Vortexer | Major supplier |

Optional BD Kits (If you plan on using the Sample Multiplexing Kit, or the BD™ AbSeq assay)

To perform sample multiplexing with the BD Rhapsody™ Single-Cell Analysis system, one additional kit is required:

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| 1. BD™ Human Single-Cell Multiplexing Kit | BD Biosciences - 633781 |
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To perform antibody-oligonucleotide labelling, use these additional components:

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| 1. BD™ AbSeq Ab-Oligos (antibody-oligonucleotides) | BD Biosciences - Various |
| 2. BD Pharmingen™ Stain Buffer (FBS) | BD Biosciences - 554656 |
| 3. (Optional) BD Pharmingen™ Human BD Fc Block™ | BD Biosciences - 564220 |
- (For myeloid and B-lymphocyte-containing samples)

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