

Materials List for:

# A Method for Targeted 16S Sequencing of Human Milk Samples

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## Materials

| Name                                     | Company           | Catalog Number    | Comments  |
|--|-------------------|-------------------|---|
| AllPrep RNA/DNA Mini Kit                 | Qiagen            | 80204             | DNA/RNA extraction kit  |
| Eliminase                                | Fisher Scientific | 435532            | RNase, DNase, DNA decontaminant   |
| Thermo Mixer                             | Fisher Scientific |                   | temperature-controlled vortexer   |
| Buffer RLT plus                          | Qiagen            | 1053393           | guanidinium thiocyanate lysis buffer/ Part of Allprep kit                                   |
| β-Mercaptoethanol                        | Sigma Aldrich     | 63689-25ML-F      | β-ME is a reducing agent that will irreversibly denature RNases by reducing disulfide bonds |
| LME Beads                                | MP Biomedicals    | 116914050         | bead tube   |
| QIAgen TissueLyzer                       | Qiagen            | 85300             | automated sample disruptor adapter set  |
| QIAshredder column                       | Qiagen            | 79654             |   |
| QIAgen RB tube                           |                   |                   | manufacturer's microcentrifuge tube in kit  |
| QIAcube and related plasticware          | Qiagen            | 9001292           | automated DNA/RNA purification instrument   |
| DNA exitus plus                          | Applichem         | A7089             | non-enzymatic decontamination solution  |
| EB Buffer                                | Qiagen            | 19086             | elution buffer  |
| QIAgility and related plasticware        | Qiagen            | 9001532           | robotic liquid handler  |
| PCR water                                | MO BIO            | 17000-            |   |
| 5PRIME HotMasterMix                      | Quantabio         | 2200400           |   |
| Barcoded reverse primers                 | Eurofin           | No Catalog #'s    | designed and ordered  |
| 96 well PCR plate                        | USA scientific    | 1402-9708         |   |
| Tapestation 2200 and related plasticware | Agilent           | G2964AA           | automated DNA/RNA fragment analyzer   |
| D1000 reagents for Tapestation           | Agilent           | 5067-5585         | Sample buffer and ladder are part of this kit   |
| OneStep PCR Inhibitor Removal Kit        | Zymo Research     | 50444470          | PCR inhibitor removal is done per the manufacturer's instructions.                          |
| QIAquick PCR Purification Kit            | Qiagen            | 28104             | DNA clean up kit: silica-membrane-based purification of PCR products                        |
| Qubit dsDNA HS Assay Kit                 | Thermo Fisher     | Q32854            | dimethylsulfoxide-based dilution buffer and dye are part of this kit.                       |
| Qubit Fluorometer                        | Thermo Fisher     | Q33216            |   |
| NanoDrop                                 | Thermo Fisher     |                   | microvolume spectrophotometer   |
| MiSeq 300 V2 kit                         | Illumina          | 15033624/15033626 |   |
| MiSeq                                    | Illumina          | No Catalog #'s    | next generation sequencer   |