

Materials List for:

A Hybrid DNA Extraction Method for the Qualitative and Quantitative Assessment of Bacterial Communities from Poultry Production Samples

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Materials

| Name | Company | Catalog Number | Comments |
|----------------------------------|---------|----------------|---|
| Lysing Matrix E tube | MPBio | 6914-050 | Different sizes available and the last 3 numbers of the cat. No. indicate size (-050 = 50 tubes, -200 = 200 tubes, -1000 = 1,000 tubes) |
| Sodium Phosphate Solution | MPBio | 6570-205 | Can be purchased individually, or also contained within the FastDNA Spin Kit for feces (Cat. No. 116570200) |
| PLS Buffer | MPBio | 6570-201 | |
| Buffer ASL (560 ml) | Qiagen | 19082 | |
| FastPrep 24 homogenizer | MPBio | 116004500 | 48 x 2 ml HiPrep adapter (Cat. No. 116002527) available to double throughput of mechanical homogenization step |
| QIAamp DNA Stool Mini Kit | Qiagen | 51504 | |
| QIAcube24 (110V) | Qiagen | 9001292 | Preliminary results show that QIAcube HT (Cat. No. 9001793) can be used to improve throughput, but different consumables are required of this machine and more comparative work needs to be done. |
| Filter-Tips, 1,000 ml (1024) | Qiagen | 990352 | |
| Filter-Tips, 200 ml (1024) | Qiagen | 990332 | |
| QIAcube Rotor Adapters (10 x 24) | Qiagen | 990394 | For 1.5 ml microcentrifuge tubes included with in the rotor adapter kit there is an alternative. It is Sarstedt Micro tube 1.5 ml Safety Cap, Cat. No. 72.690 |
| Sample Tubes RB (2 ml) | Qiagen | 990381 | Alternative: Eppendorf Safe-Lok micro test tube, Cat. No. 022363352 |