

## Consumables and Equipment

Check to ensure that you have all of the necessary user-supplied consumables and equipment before proceeding to sample preparation.

**Table 2** User-Supplied Consumables

Consumable	Supplier
50X TAE Buffer	BIO-RAD, part # 161-0743
100 bp Redi-Load DNA ladder	Invitrogen, part # 10488-058
Certified low range ultra agarose	BIO-RAD, part # 161-3106
Compressed air source of at least 32 psi (Do not use CO <sub>2</sub> which could alter the pH of the nebulizer buffer)	General lab supplier
Disposable scalpels	General lab supplier
Distilled water	General lab supplier
Ethidium Bromide	Sigma, part # E1510
Loading buffer (50 mM Tris pH 8.0, 40 mM EDTA, 40% (w/v) sucrose)	General lab supplier
MinElute PCR Purification Kit	QIAGEN, part # 28004
Purified DNA (1–5 µg, 5 µg recommended) DNA should be as intact as possible, with an OD260/280 ratio of 1.8–2.0	General lab supplier
PVC tubing	Intersurgical, part # 1174-003
QIAquick Gel Extraction Kit (for 50 samples) or QIAquick Gel Extraction Kit (for 250 samples)	QIAGEN, part # 28704 (50 samples) QIAGEN, part # 28706 (250 samples)
QIAquick PCR Purification Kit	QIAGEN, part # 28104

**Table 3** User-Supplied Equipment

<b>Consumable</b>	<b>Supplier</b>
Benchtop microcentrifuge	General lab supplier
Benchtop centrifuge with swing-out rotor (e.g., Sorvall Legend RT)	General lab supplier
Dark Reader transilluminator or a UV transilluminator	Clare Chemical Research, part # D195M
Electrophoresis unit	General lab supplier
Gel trays and tank	General lab supplier
Thermal cycler	General lab supplier