

**Materials List for:**

# **Screening Foodstuffs for Class 1 Integrons and Gene Cassettes**

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## **Materials**

<b>Name</b>	<b>Company</b>	<b>Catalog Number</b>	<b>Comments</b>
GoTaq Colourless Mastermix	Promega	M7132	Used in all PCRs
RNAse (Ribonuclease A from bovine pancreas)	Sigma	R6513-10MG	Used in all PCRs
HinFI restriction enzyme	Promega	R6201	Used to digest 16S rDNA PCR products. Enzyme comes with optimal buffer and BSA
100 bp ladder	GE Healthcare	27400701	Used as a size standard on all agarose gels
GelRed DNA stain	Biotium	41003	CAUTION: Personal protection must be worn when handling this material
Guanidinium thiocyanate	Life Technologies	AM9422	CAUTION: Personal protection must be worn when handling this material
CLS-TC Solution	MP Biomedicals	6540409	Resuspension solution used at the beginning of the genomic DNA extraction
Lysing Matrix E FastPrep tubes	MP Biomedicals	116914500	Tube required for mechanical disruption of bacterial cell walls. This code is used for packs of 500 tubes, smaller quantities are available.
Binding matrix	MP Biomedicals	116540408	Diluted 1:5 with 6 M guanidinium thiocyanate and used in the genomic DNA extraction method.
Fast Prep machine	MP Biomedicals	Number of options available	MP Biomedicals has a number of FastPrep machines available to purchase. Visit <a href="http://www.mpbio.com">http://www.mpbio.com</a> for more information