

Checking the quality of amplicons

Alt-text Figure 4 - Principle of Agarose gel electrophoresis

Schematics of an agarose gel electrophoresis apparatus. A tray containing the gel is positioned horizontally into a tank containing a buffer solution. A power supply is connected to the tank. Samples and molecular weights (aka, ladder) are loaded onto the cathode extremity of the gel. When the power supply is on, the negatively charged nucleic acid molecules are impelled to migrate from cathode (-) to anode (+) through the gel. Low molecular weight analytes reach the anode extremity "faster" than the high molecular weight ones.

Alt-text Figure 5 - Sample separation using the QIAxcel Advanced System

Schematic diagram of sample separation using the QIAxcel Advanced System. Detailed information in the main text.

Alt-text Figure 6 - QIAxcel gel image of PCR amplicons with different sizes

Illustrative gel image. A blot showing horizontal lines in each lane which represent the molecular weight of each sample loaded per lane.