

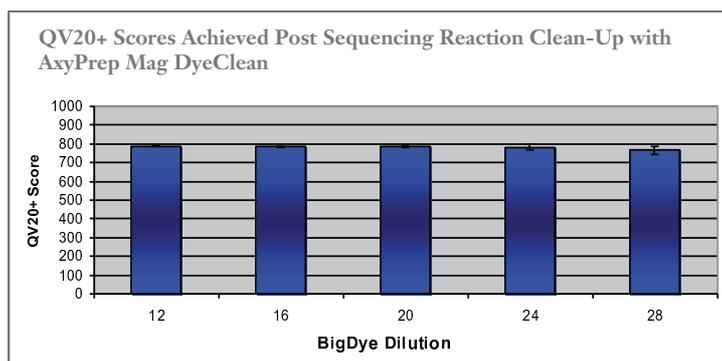
AxyPrep™ Mag DyeClean Up Kit

Excess dye terminator clean-up is an essential step prior to sequencing. The carry over of excess dye into sequencing results in dye blobs which leads to overwhelming noise and failed calls of sequenced bases and potentially leading to the failure of the sequencing run. AxyPrep Mag DyeClean utilizes a unique paramagnetic bead-based sequencing purification system optimized for the clean-up of excess dye terminator post sequencing reaction in Sanger sequencing. The protocol mainly consists of binding, washing and elution steps, and can be performed directly in the thermal cycling plate and requires no centrifugation or filtration.

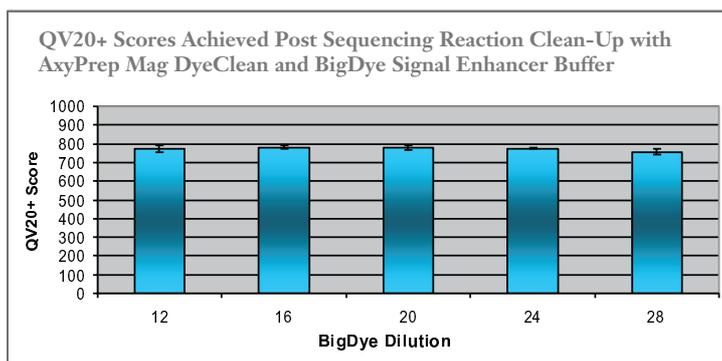
- Saving time and money: Significant BigDye savings without incurring extra cost and processing time with the unneeded BigDye signal enhancer buffer, while maintaining high QV20+ scores
- High signal to noise ratio resulting in long reads and high QV20+ scores
- Suitable for the clean-up of sequencing reaction of different Sanger sequencing based platforms - ABI Prism 3730, 3730xl, 3700, 3130, 31030xl, and 3100 - GE Healthcare MegaBACE
- Simple and easy sequencing reaction clean-up process: 25 minutes/96 samples
- No centrifugation or filtration required



Applications
Sanger Sequencing



Savings Achieved On BigDye Without The Need For A Signal Enhancer While Maintaining High QV20+ Scores
The QV20+ scores achieved indicates that there is no need for the use of the BigDye Signal Enhancer buffer (MCLab) when AxyPrep Mag DyeClean is utilized for the post sequencing reaction clean-up. Sequencing reactions were performed with plasmid and primer provided in the BigDye v3.1 kit. The sequencing reactions contained 250 ng of pGEM 3Zf(+) control plasmid, 3.2 pmol of M13(-21) primer and the indicated amount of BigDye v3.1 in a final volume of 10 µL. The samples were processed on ABI 3730xl.



SAMPLE PREP

Magnetic Beads Kits	Kit Size	Cat. No.
AxyPrep Mag PCR DyeClean Kit - 5 mL	500 preps	MAG-DYECL-5
AxyPrep Mag PCR DyeClean Kit - 50 mL	5000 preps	MAG-DYECL-50
AxyPrep Mag PCR DyeClean Kit - 250 mL	25000 preps	MAG-DYECL-250