1. Genes in a Bottle Kit

Introduce students to molecular biology with their own DNA. The genes in a bottle kit enables your students to see the normally invisible substance of life and begin to comprehend the meaning of their own genetic makeup. In this activity, students extract genomic DNA from their own cheek cells, then precipitate and bottle it in a cool helix-shaped necklace.

- Can be used as an introductory or capstone activity
- Requires no special equipment or stains
- For younger students, it's a perfect introduction to the exciting world of DNA science
- For secondary and college level instruction, lessons on DNA structure and function, cell structure, and enzyme function can be introduced or reinforced with this laboratory
- Kit contains 36 helix vials, screw caps and cords

Code	Pack	Price
ELE1440	Each	£193.46

2. Analysis of Precut Lambda DNA Kit

Explore restriction digestion and DNA gel electrophoresis without the time needed to perform the digestion. The analysis of precut lambda DNA kit demonstrates the basic procedures and principles of DNA gel electrophoresis, including agarose gel casting, sample loading, size-based separation of DNA fragments, DNA staining, and graphic analysis. This activity provides in-depth explanations about how restriction enzymes cut DNA and how electrophoresis can be used to separate and visualise DNA fragments.

- Save time - use precut lambda DNA
- Fast results - separate the fragments in 10 minutes
- Optional sizing activity - guide students through the construction of a standard curve using their own gel data, then challenge them to apply their maths skills and use their standard curve to estimate the molecular weights of the fragments generated by different restriction enzymes
- Finish all activities in one to two 45 minute class periods
- Refill kit includes: DNA digests, uncut lambda DNA, Fast Blast DNA stain, and more - for educational use only

Code	Description	Pack	Price
ELE1442	Analysis of precut lambda DNA kit	Each	£151.47
ELE1444	Lambda DNA kit refill pack	Each	£96.28

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