1. Ultra Violet Lamp Unit, Mains

A mains operated ultra violet light source ideally suited to demonstration use. Comes complete with on/off switch. The tube is 600mm long and is housed in a UV reflective plastic housing. Suitable for showing the fluorescing properties of chemicals (e.g. washing powder) and for work in the forensic science parts of the syllabus.

Code	Pack	Price
SEOP8000	Each	£45.84

1

2. UV Energy Beads

White beads, that when exposed to UV radiation, change into a range of different colours. They can be used for scientific investigations into solar radiation and suncreams. They are drilled so can be mounted on string to make simple UV detectors.

Code	Pack	Price
PY1038	250	£18.39
BB1210	500	£33.80

2

3. Lascells UV Test Rig

A UV LED provides the UV source in this test rig. Due to its construction there is no radiation hazard and students can test the UV absorbing properties of various materials such as lenses from sunglasses, various coloured glasses, reflective film etc. as well as the effectiveness of sunscreen creams. UV detection is by means of UV beads and intensity is estimated from the time taken for the colour changes to occur, so approximate values only are obtained.

For more quantitative measurements the UV photodetector (PY3046) can be used. The unit requires a normal 12V DC power supply.

Code	Pack	Price
PY3102	Each	£48.24

3 LASCELLS