

## 1. Food Colouring

Natural food colouring.

Code	Description	Pack	Price
X22940	Green	28mL	£1.57
X22935	Yellow	28mL	£1.57
X22945	Red	28mL	£1.57
X23485	Blue	28mL	£1.57

## 2. Food Dye Set

Set of seven food dyes, each containing 1g. Ideal for a number of experiments including chromatography. Image used is for illustrative purposes only.

Colours included:

- E102 tartrazine
- E133 brilliant blue
- E122 carmoisine
- E110 sunset yellow
- E131 patent blue V
- E142 green S
- E127 erythrosine

Code	Pack	Price
CHR2002	7 x 1g	£30.10

## 3. UV Energy Beads

Beads which react to UV light and turn from white (in absence of UV) to a variety of colours over about 1 minute in the presence of UV illumination. The rate of change increases as the UV intensity rises. Use sunscreen on these beads to see the effect on the amount of transmitted UV.

Code	Pack	Price
PY1038	250	£17.69
BB1210	500	£32.52

## 4. Lascells UV Test Rig

A UV LED provides the UV source in this test rig. Because of 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 can be used. The unit requires a normal 12V DC power supply.

Code	Pack	Price
PY3102	Each	£51.00

### Electrophoresis Gel Tank System

No need for additional power supplies!

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