

## **OLYMPIC DRUG TESTING EQUIPMENT AND SUPPLIERS**

### **Reagents**

Bovine serum albumin (BSA) –A2153- Sigma -approx £37.50

Bicinchoninic acid protein testing kit –B9643- Sigma approx £193.50  
([www.sigma-aldrich.com](http://www.sigma-aldrich.com))

Distilled water

### **Consumables**

Eppendorf tubes, 11 per pair, or similar container to hold 1ml-cat no:  
72.706

Universal container, 2 per pair, or similar to hold 25ml- cat no:  
60.9922.241 PP

Conical tubes, 10 per pair, or similar to hold 5ml-cat no: 62.554.001  
PP

(Can all be supplied by Sarstedt Ltd, 68 Boston Road, Leicester, LE4 1AW, 0116 235 9023 Contact  
Geoff Hughes 07970 220 123)

Test tube racks to hold above tubes

P5000,P1000 and P200 automatic pipettes and tips or the means to  
accurately dispense 2ml, 1ml, 800,600,400, 200 and 100µl

Makro cuvettes, 10 per pair, and rack

37°C incubator or water bath

Spectrophotometer set at 562nm

Graph paper, pencils, rulers and marker pens for labelling tubes

Gloves and lab coats

Paper towels for spills

2 beakers for practising accurate dispensing

### **Set up for students**

Students are given more of each solution than they actually need to allow for inaccuracies of pipetting. Spares of everything to allow for spillages.

25ml Bicinchoninic acid (A)

0.5ml Copper sulphate (B)

BSA solution 1mg/ml in distilled water- 5ml/pair

Distilled water 5ml

Unknown samples- 1ml each of 0.1, 0.2, 0.4 and 0.9mg/ml. Made up from a stock solution of 1mg/ml