

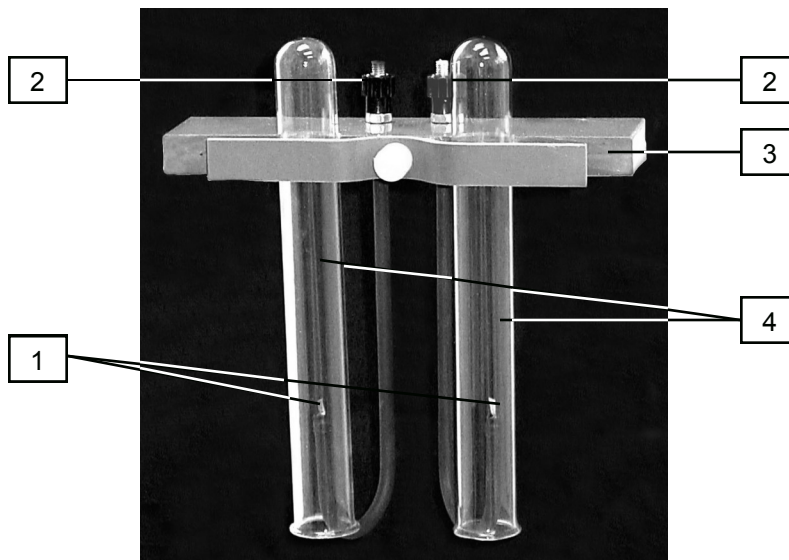


**UNITED SCIENTIFIC SUPPLIES, INC.**

**OPERATING INSTRUCTIONS AND ACTIVITY GUIDE**

## **BROWNLEE ELECTROLYSIS APPARATUS**

**BEA001**



*Figure 1*

### **DESCRIPTION OF THE INSTRUMENT**

The BEA001 Brownlee Electrolysis Apparatus is a useful device for the study of electrolysis. The unit includes an electrode assembly and two glass test tubes.

Platinum electrodes (1, *Figure 1*) are attached to insulated connecting rods. The rods are attached to binding posts (2) mounted on a non-conducting support (3). The support rests across the top of a battery jar (not included) and has two clips that hold two inverted test tubes (4).

The unit needs to be used with a glass beaker or jar with 5% to 10%  $\text{H}_2\text{SO}_4$  solution, and a 6V battery or 10V DC power supply.



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