



Removal of Sulfur from Environmental Samples Using Copper Beads

UCT Part Numbers:

ECCU01K (Copper granules 99.5% 30 mesh - 1kg)

1. Post Sample Extraction

- a) Place 4 g of copper beads in a glass vial
- b) Add 2 mL of liquid sample extract to the vial

2. Sulfur Removal

- a) Seal the glass vial and mix sample with copper beads for 2 minutes
- b) Allow to stand for approximately 10 minutes
- c) If sample contains high levels of sulfur, repeat process with 4 g of fresh copper beads

Note: For the analysis of PCB type analytes, copper may reside in the extract; Copper cleanup may result in low recoveries of several pesticides.

3. Analysis by GC/MS or GC/ECD

- a) Transfer clean extract to autosampler vial
- b) Inject 1-2 μL for GC
- c) Inject 5-10 μL for LC