

# Chu's-10 Metal Solution

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## Abstract

Please contact Dr. Steven Wilhelm (wilhelm@utk.edu) for additional information regarding this protocol.

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## Protocol

### Step 1.

Add 1 L Milli-Q H<sub>2</sub>O to a clean media bottle

### Step 2.

Add 2.4 g H<sub>3</sub>BO<sub>3</sub>



#### REAGENTS

Boric acid BP1681 by [Fisher Scientific](#)

### Step 3.

Add 1.4 g MnCl<sub>2</sub>\*4H<sub>2</sub>O



#### REAGENTS

Manganese chloride 7773-01-5 by [Fisher Scientific](#)

### Step 4.

Add 0.4 g ZnCl<sub>2</sub>



#### REAGENTS

✓ Zinc dichloride by Contributed by users

### Step 5.

Add 0.02 g CoCl<sub>2</sub>\*6H<sub>2</sub>O



#### REAGENTS

✓ Cobaltous chloride hexahydrate by Contributed by users

## Step 6.

Add 0.1 mg  $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$



### REAGENTS

Copper (II) chloride dihydrate 10125-13-0 by [Fisher Scientific](#)