

# Copper Intravenous FOR DILUTION as Infusion for Adults



## Who can administer

May be administered by registered competent doctor or nurse/midwife

## Important information

- **MUST be diluted in AT LEAST 100ml** (pH prior to dilution is 2.0 i.e. very **acidic & irritant**)
- IV monograph to accompany each dispensing from pharmacy until further notice (P Kidd, Jul 2023)
- Unlicensed preparation
- Must be Consultant authorised

## Available preparations

Copper Chloride (Cupric copper) 4mg per 10mL vial

## Reconstitution

Already in solution

**MUST dilute further prior to administration**

## Infusion fluids

Sodium chloride 0.9%

## Methods of intravenous administration

**Intermittent intravenous infusion (administer using an electronically controlled infusion device)**

- Add required dose to a MINIMUM of 100mL infusion fluid and administer over 2 to 4 hours <sup>(ref 1)</sup>

## Dose in adults

**Usual dose (deficiency)**

- Give 2 to 4mg daily for six days or until normalisation of copper serum levels and resolution of signs/symptoms

## Monitoring

- Monitor copper levels closely

## Further information

- Limited information available for dosage and administration of copper injection alone - as it is usually part of Parenteral Nutrition bags

## Storage

Store at room temperature

## References

1: [What is the evidence supporting the use of intravenous copper for copper deficiency?](#) Drug Information Group, University of Illinois Chicago November 2022