

## Who can administer

May be administered by registered competent doctor or nurse/midwife

## Important information

- See monitoring section re **INR** monitoring

## Available preparations

Cernevit vial

## Reconstitution

### Water for injection

5ml per vial

## Infusion fluids

Sodium chloride 0.9% or Glucose 5%

## Methods of intravenous administration

### Intermittent Intravenous infusion (preferred route)

- Can be given in 100ml infusion fluid <sup>(ref 1)</sup> but it must be administered over least 10 minutes
- A 50ml infusion may be used if required (eg fluid restriction) but the residual volume in the infusion line must be flushed through at the same rate to avoid significant underdosing

### Slow Intravenous Injection

- Administer over at least 10 minutes

## Dose in adults

### Usual dose

- One vial daily

## Monitoring

- **Watch INR** in patients on long-term treatment as **Cernevit does NOT contain Vitamin K**
- Therefore a hypocoagulable state is possible, particularly in patients on long-term treatment with Cernevit, without separate administration of Vitamin K
- Monitor LFTs
- Check B12 levels- as deficiency may require higher doses than that contained in Cernevit
- Monitor for Vitamin toxicity, particularly in patients receiving long-term supplementation

## Further information

Each vial contains the equivalent of:

Retinol (as retinol palmitate)	3,500 units
Cholecalciferol	220 units
Alpha-tocopherol	11.2 units
Ascorbic acid	125mg
Thiamine (as co-carboxylase tetrahydrate)	3.51mg
Riboflavin (as riboflavin dihydrated sodium phosphate)	4.14mg
Pyridoxine (as pyridoxine hydrochloride)	4.53mg
Cyanocobalamin	6 micrograms
Folic acid	414 micrograms
Pantothenic acid (as dexpanthenol)	17.25mg
Biotin	69 micrograms
Nicotinamide	46mg

**NB: No vitamin K contained**

## Storage

Store below 25<sup>0</sup>C

## References

SPC September 2019

1. UKCPA, Minimum infusion volumes 4th Edition

## Therapeutic classification

Intravenous nutrition