METHYLENE BLUE

SYNONYMS
Methylthioninium chloride

TRADE NAME
METHYLENE BLUE PHEBRA, PROVEBLUE

DRUG CLASS
Antidote for methaemoglobinaemia, diagnostic aid

AVAILABILITY
Phebra vial contains 50 mg/5 mL (1% solution) of methylene blue trihydrate. Proveblue ampoule contains 50 mg/10 mL of methylene blue trihydrate. The solution is clear and blue.1

pH
3–4.51

PREPARATION
Not required

STABILITY
Vial: store below 25 °C. Protect from light.1 Diluted solution: use immediately.1

ADMINISTRATION
IM injection
Not recommended

SUBCUT injection
Contraindicated1

IV injection
Inject over at least 5 minutes.1 Flush the line with sodium chloride 0.9% to reduce venous irritation.2

IV infusion
Dilute the dose in 500 mL of glucose 5% and infuse over 1 hour.1

COMPATIBILITY
Fluids
Glucose 5%1

Y-site
No information

INCOMPATIBILITY
Fluids
Sodium chloride 0.9%1 (can be used to flush the line only)

Drugs
No information

SPECIAL NOTES
Causes blue staining of skin, saliva, mucous membranes, urine and faeces.1,2 May be diluted in 100–200 mL of water for injections and given orally.1

REFERENCES