

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: tablet, capsule, oral suspension, oral solution, solution for injection, solution for infusion

#### Solution for injection

##### ▶ Calcium gluconate (Non-proprietary)

Calcium gluconate 100 mg per 1 ml Calcium gluconate 10% solution for injection 10ml ampoules | 10 ampoule [PoM] £12.00-£14.37 DT = £14.37 | 20 ampoule [PoM] £30.00-£31.50

#### Effervescent tablet

CAUTIONARY AND ADVISORY LABELS 13  
ELECTROLYTES: May contain Sodium

##### ▶ Calcium gluconate (Non-proprietary)

Calcium gluconate 1 gram Calcium gluconate 1g effervescent tablets | 28 tablet [GSL] £16.09 DT = £16.09

## Calcium lactate

### ● INDICATIONS AND DOSE

#### Calcium deficiency

##### ▶ BY MOUTH

- ▶ Neonate: 0.25 mmol/kg 4 times a day, adjusted according to response.
- ▶ Child 1 month–4 years: 0.25 mmol/kg 4 times a day, adjusted according to response
- ▶ Child 5–11 years: 0.2 mmol/kg 4 times a day, adjusted according to response
- ▶ Child 12–17 years: 10 mmol 4 times a day, adjusted according to response

- **INTERACTIONS** → Appendix 1: calcium salts

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

#### Tablet

##### ▶ Calcium lactate (Non-proprietary)

Calcium lactate 300 mg Calcium lactate 300mg tablets | 84 tablet [X] DT = £4.57 | 84 tablet [GSL] £4.57 DT = £4.57

## Calcium phosphate

### ● INDICATIONS AND DOSE

#### Indications listed in combination monographs (available in the UK only in combination with other drugs)

##### ▶ BY MOUTH

- ▶ Child: Doses listed in combination monographs

- **INTERACTIONS** → Appendix 1: calcium salts

- **SIDE-EFFECTS** Epigastric pain · gastrointestinal disorder · hypercalcaemia

- **MEDICINAL FORMS** No licensed medicines listed.

## 2.2 Low blood volume

### BLOOD AND RELATED PRODUCTS > PLASMA PRODUCTS

#### Albumin solution

30-Jan-2020

##### (Human Albumin Solution)

### ● INDICATIONS AND DOSE

**Acute or sub-acute loss of plasma volume e.g. in burns, pancreatitis, trauma, and complications of surgery (with isotonic solutions) | Plasma exchange (with isotonic solutions) | Severe hypoalbuminaemia associated with low plasma volume and generalised oedema where salt and water restriction with plasma volume expansion are required (with concentrated solutions 20%) | Paracentesis of large volume ascites associated with portal hypertension (with concentrated solutions 20%)**

##### ▶ BY INTRAVENOUS INFUSION

- ▶ Child: (consult product literature)

**Adjunct in the treatment of hyperbilirubinaemia by exchange transfusion in the newborn (with concentrated solutions 20%)**

##### ▶ BY INTRAVENOUS INFUSION

- ▶ Child: (consult product literature)

- **CAUTIONS** Correct dehydration when administering concentrated solution · history of cardiovascular disease · increased capillary permeability · risk of haemodilution (e.g. severe anaemia or haemorrhagic disorders) · risk of hypervolaemia (e.g. oesophageal varices or pulmonary oedema) · vaccination against hepatitis A and hepatitis B may be required

#### CAUTIONS, FURTHER INFORMATION

- ▶ Volume status Manufacturer advises adjust dose and rate of infusion to avoid fluid overload.

### ● SIDE-EFFECTS

- ▶ Rare or very rare Fever · flushing · nausea · shock · urticaria

- **MONITORING REQUIREMENTS** Plasma and plasma substitutes are often used in very ill patients whose condition is unstable. Therefore, close monitoring is required and fluid and electrolyte therapy should be adjusted according to the patient's condition at all times.

- **PRESCRIBING AND DISPENSING INFORMATION** A solution containing protein derived from plasma, serum, or normal placentas; at least 95% of the protein is albumin. The solution may be isotonic (containing 3.5–5% protein) or concentrated (containing 15–25% protein).

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#### Infusion

##### ▶ Flexbumin (Baxalta UK Ltd)

Albumin solution human 200 gram per 1 litre Flexbumin 20% infusion 100ml bags | 1 bag [PoM] [X]  
Flexbumin 20% infusion 50ml bags | 1 bag [PoM] [X]

#### Solution for infusion

##### ▶ Alburnorm (Octapharma Ltd)

Albumin solution human 50 mg per 1 ml Alburnorm 5% solution for infusion 250ml bottles | 1 bottle [PoM] £33.75  
Alburnorm 5% solution for infusion 100ml bottles | 1 bottle [PoM] £13.50  
Alburnorm 5% solution for infusion 500ml bottles | 1 bottle [PoM] £67.50

Albumin solution human 200 mg per 1 ml Alburnorm 20% solution for infusion 100ml bottles | 1 bottle [PoM] £54.00  
Alburnorm 20% solution for infusion 50ml bottles | 1 bottle [PoM] £27.00

##### ▶ Alburex (CSL Behring UK Ltd)

Albumin solution human 50 mg per 1 ml Alburex 5% solution for infusion 500ml vials | 1 vial [PoM] £50.00