

to be stored at 2–8°C and not allowed to freeze. Immunoglobulins should be protected from light. Opened multidose vials must be used within the period recommended in the product literature.

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

#### Solution for injection

##### ▶ Hepatitis B immunoglobulin (Non-proprietary)

**Hepatitis B immunoglobulin human 200 unit** Hepatitis B immunoglobulin human 200unit solution for injection vials | 1 vial [PoM] £200.00

**Hepatitis B immunoglobulin human 500 unit** Hepatitis B immunoglobulin human 500unit solution for injection vials | 1 vial [PoM] £400.00

- ▶ **Zutectra** (Biotest (UK) Ltd)  
Zutectra 500units/1ml solution for injection pre-filled syringes | 5 syringe [PoM] £1,500.00

#### Solution for infusion

- ▶ **Hepatect CP** (Biotest (UK) Ltd)

**Hepatitis B immunoglobulin human 50 unit per 1 ml** Hepatect CP 100units/2ml solution for infusion vials | 1 vial [PoM] £55.00

Hepatect CP 2000units/40ml solution for infusion vials | 1 vial [PoM] £1,100.00

Hepatect CP 500units/10ml solution for infusion vials | 1 vial [PoM] £275.00

Hepatect CP 5000units/100ml solution for infusion vials | 1 vial [PoM] £2,750.00

- ▶ **Omri-Hep-B** (Imported (Israel))

**Hepatitis B immunoglobulin human 50 unit per 1 ml** Omri-Hep-B 5000units/100ml solution for infusion vials | 1 vial [PoM] 

## Normal immunoglobulin

17-Mar-2020

### ● INDICATIONS AND DOSE

#### To control outbreaks of hepatitis A

- ▶ BY DEEP INTRAMUSCULAR INJECTION
- ▶ Adult: 500 mg

#### Rubella in pregnancy, prevention of clinical attack

- ▶ BY DEEP INTRAMUSCULAR INJECTION
- ▶ Females of childbearing potential: 750 mg

#### Antibody deficiency syndromes

- ▶ BY SUBCUTANEOUS INFUSION
- ▶ Adult: (consult product literature)

#### SUBGAM<sup>®</sup>

##### Hepatitis A prophylaxis in outbreaks

- ▶ BY INTRAMUSCULAR INJECTION
- ▶ Adult: 750 mg

### ● UNLICENSED USE

- ▶ **SUBGAM<sup>®</sup>** *Subgam<sup>®</sup>* is not licensed for prophylactic use, but due to difficulty in obtaining suitable immunoglobulin products, Public Health England recommends intramuscular use for prophylaxis against Hepatitis A or rubella.

- **CONTRA-INDICATIONS** Patients with selective IgA deficiency who have known antibody against IgA

**PRIVIGEN<sup>®</sup>** Hyperprolinaemia (contains L-proline)

**FLEBOGAMMA<sup>®</sup> DIF** Hereditary fructose intolerance (contains sorbitol)

**HIZENTRA<sup>®</sup>** Hyperprolinaemia (contains L-proline)

**GAMMAPLEX<sup>®</sup>** Hereditary fructose intolerance (contains sorbitol)

- **CAUTIONS** Agammaglobulinaemia with or without IgA deficiency · hypogammaglobulinaemia with or without IgA deficiency · interference with live virus vaccines

#### CAUTIONS, FURTHER INFORMATION

- ▶ Interference with live virus vaccines Normal immunoglobulin may **interfere with the immune response to live virus vaccines** which should therefore only be given at **least 3 weeks before or 3 months after** an injection of normal immunoglobulin (this does not apply to yellow fever

vaccine since normal immunoglobulin does not contain antibody to this virus).

**OCTAGAM<sup>®</sup>** Falsely elevated results with blood glucose testing systems (contains maltose)

- **INTERACTIONS** → Appendix 1: immunoglobulins

### ● SIDE-EFFECTS

#### ▶ Common or very common

- ▶ With intramuscular use Chills
- ▶ With subcutaneous use Diarrhoea · dizziness · drowsiness · fatigue · gastrointestinal discomfort · headaches · hypotension · local reaction · myalgia · nausea · pain · skin reactions

#### ▶ Uncommon

- ▶ With intramuscular use Dizziness · fatigue · feeling hot · headache · nausea · pain · skin reactions
- ▶ With subcutaneous use Paraesthesia

#### ▶ Rare or very rare

- ▶ With intramuscular use Abdominal pain · arthralgia · musculoskeletal stiffness · myalgia · peripheral coldness · tremor

#### ▶ Frequency not known

- ▶ With intramuscular use Chest discomfort · dyspnoea · facial swelling · fever · flushing · hyperhidrosis · hypertension · hypotension · malaise · oral paraesthesia · pallor · paraesthesia · tachycardia · vomiting

**SIDE-EFFECTS, FURTHER INFORMATION** Adverse reactions are more likely to occur in patients receiving normal immunoglobulin for the first time, or following a prolonged period between treatments, or when a different brand of normal immunoglobulin is administered.

- **MONITORING REQUIREMENTS** Monitor for acute renal failure; consider discontinuation if renal function deteriorates. Intravenous preparations with added sucrose have been associated with cases of renal dysfunction and acute renal failure.

### ● DIRECTIONS FOR ADMINISTRATION

Preparations for subcutaneous use May be administered by intramuscular injection if subcutaneous route not possible; intramuscular route **not** for patients with thrombocytopenia or other bleeding disorders.

**GAMUNEX<sup>®</sup>** Use Glucose 5% intravenous infusion if dilution prior to infusion is required.

**KIOVIG<sup>®</sup>** Use Glucose 5% intravenous infusion if dilution prior to infusion is required.

- **PRESCRIBING AND DISPENSING INFORMATION** Antibody titres can vary widely between normal immunoglobulin preparations from different manufacturers—formulations are **not interchangeable**; patients should be maintained on the same formulation throughout long-term treatment to avoid adverse effects.

- ▶ With intramuscular use Available from the Centre for Infections and other regional Public Health England offices (for contacts and control of outbreaks only).

- **HANDLING AND STORAGE** Care must be taken to store all immunological products under the conditions recommended in the product literature, otherwise the preparation may become ineffective. **Refrigerated storage** is usually necessary; many immunoglobulins need to be stored at 2–8°C and not allowed to freeze. Immunoglobulins should be protected from light. Opened multidose vials must be used within the period recommended in the product literature.

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

#### Solution for injection

ELECTROLYTES: May contain Sodium

- ▶ **Hizentra** (CSL Behring UK Ltd)

**Normal immunoglobulin human 200 mg per 1 ml** Hizentra 2g/10ml solution for injection pre-filled syringes | 1 pre-filled disposable injection [PoM] £108.00