

## **PATIENT INFORMATION LEAFLET**

### **BENCILLIN-5**

Benzylpenicillin For Injection BP 5 Mega

**Read all of this leaflet carefully before you start taking this medicine.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor or pharmacist.
- This medicine has been prescribed for you. Do not pass it on to others. It may harm them, even if their symptoms are the same as yours.
- If any of the side-effects get serious, or if you notice any side-effects not listed in this leaflet, please tell your doctor or pharmacist.

**In this leaflet:**

1. What Benzylpenicillin Injection is and what it is used for
2. Before you use Benzylpenicillin Injection
3. How to use Benzylpenicillin Injection
4. Possible side-effects
5. How to store Benzylpenicillin Injection
6. Further information

#### **1. WHAT BENZYL PENICILLIN INJECTION IS AND WHAT IT IS USED FOR**

Benzylpenicillin sodium 600mg and 1200mg Powder for Injection is referred to as "Benzylpenicillin Injection" in this leaflet.

It contains benzylpenicillin sodium, also known as penicillin G. Benzylpenicillin sodium is one of a group of medicines known as penicillins, which are antibiotics. Antibiotics are used to kill the bacteria (germs) which cause infections.

Benzylpenicillin sodium is used to treat infections of the:

- Ear
- Nose
- Throat
- Chest
- Heart
- Bones
- Skin

It may also be used to treat:

- some sexually transmitted infections (gonorrhoea and syphilis)
- meningitis
- brain abscesses
- gangrene (decay and death of tissue due to lack of blood supply)
- blood infections
- anthrax (an infection from animals)
- tetanus
- diphtheria (acute infections/disease of the respiratory tract)
- listeria (a type of food poisoning)
- leptospirosis (an infection from animals)
- pasteurellosis (an infection following animal bites)
- severe Lyme disease (an infection from tick bites)
- actinomycosis (an infection caused by trauma/surgery)
- some infections caused by rat bites.

Benzylpenicillin sodium is also used for the prevention of infection in newborn babies (Specifically group B streptococcal infection).

## **2. BEFORE YOU USE BENZYL PENICILLIN INJECTION**

### **Do not use Benzylpenicillin Injection if you:**

- are allergic (hypersensitive) to benzylpenicillin sodium, any other antibiotics (in particular other penicillins, cephalosporins or beta-lactams) or any of the other ingredients

### **Take special care with Benzylpenicillin Injection if you:**

- suffer from other allergies, especially an allergy to medicines
- are pregnant, breast-feeding or think you could be pregnant
- have kidney problems
- have liver problems
- have any heart problems
- are diabetic.

### **Using other medicines**

Please tell your doctor or pharmacist if you are taking or have recently taken any other medicines, including medicines obtained without a prescription.

Take care if you are taking any of the following medicines:

- oral contraceptives
- probenecid for the treatment of gout (inflammation of the joints, especially the big toe)
- methotrexate for the treatment of certain cancers
- allopurinol or sulfinpyrazone - treatments for gout
- neomycin - an antibiotic
- anti-coagulants – medicines that prevent blood clots
- oral typhoid vaccine.

Probenecid may make the effects of Benzylpenicillin last for longer.

Benzylpenicillin can make it more likely to get side-effects from methotrexate and can sometimes make oral contraceptives less effective, resulting in unplanned pregnancy.

Penicillins can interfere with the results of certain urine and blood tests.

Pregnancy and breast-feeding

Ask your doctor or pharmacist for advice before taking any medicine.

### **3. HOW TO USE BENZYL PENICILLIN INJECTION**

Your doctor will mix the benzylpenicillin sodium powder with an injection solution, which is usually water for injections or sodium chloride, before injecting it. (Sodium chloride injection will not be used if you have kidney or heart problems.)

Your medicine will be injected either intramuscularly (into the muscle) or intravenously (into a vein).

Repeated injections will be given at different sites. Infants and diabetics will normally receive Benzylpenicillin into a vein. It may also be used to treat:

- some sexually transmitted infections (gonorrhoea and syphilis)
- meningitis
- brain abscesses
- gangrene (decay and death of tissue due to lack of blood supply)
- blood infections
- anthrax (an infection from animals)
- tetanus
- diphtheria (acute infections/disease of the respiratory tract)
- listeria (a type of food poisoning)
- leptospirosis (an infection from animals)

- pasteurellosis (an infection following animal bites)
- severe Lyme disease (an infection from tick bites)
- actinomycosis (an infection caused by trauma/surgery)
- some infections caused by rat bit

### **Adults**

The usual dose is 600mg to 3,600mg daily.

For severe infections such as meningitis and gangrene, higher daily doses of up to 14,400mg and 43,200mg respectively may be used.

Suspected Meningitis:

Benzylpenicillin is sometimes given as a single dose in cases of suspected meningitis.

The usual dose is 1,200mg for adults and children over 10 years.

Meningitis:

The usual dose is 2,400mg every four hours for adults.

Prevention of infection during labour:

If Benzylpenicillin is administered during labour for the prevention of infection (specifically group B streptococcal infection) in newborn babies, 3,000mg of Benzylpenicillin should be given to the mother followed by 1,500mg every four hours until the baby is delivered.

### **Adults with kidney problems**

Your doctor will carry out some tests to check this. You may then be given a lower dose of Benzylpenicillin Injection. Lower doses may also be given to some elderly patients.

### **Children**

The dose for babies and children is based on their weight. The usual dose for newborn babies is 50mg per kg body weight per day and for infants (1 to 4 weeks old) is 75mg per kg body weight per day. The usual dose for children is 100mg per kg body weight per day although higher doses of up to 4,000mg per day may be given. The daily dose may be divided into between two and six separate injections. Higher doses for severe infections are usually given by slow intravenous infusion (drip).

Meningitis:

The usual dose is 180-300mg per kg per day (up to 12g per day) for children up to 12 years old, 150mg per kg per day for infants (1 to 4 weeks old) and 100mg per kg per day for newborn babies.

### **Premature babies and neonates**

Lower doses may also be given to these groups.

### **If you take more Benzylpenicillin Injection than you should**

Irritation of the brain and shaking fits (convulsion) have been seen in patients when very high doses of Benzylpenicillin Injection have been given by mistake, in particular to patients with poor kidney function.

## **4. POSSIBLE SIDE-EFFECTS**

Like all medicines, Benzylpenicillin Injection can cause side effects, although not everybody gets them.

Tell your doctor immediately if you get any of the following side effects:

- skin rash or itchy skin
- difficulty in breathing or tightness of the chest
- puffiness of the eyelids, face or lips
- swelling or redness of the tongue
- fever
- joint pains
- swollen lymph nodes.

The following side-effects have also been reported after either long-term use or with high doses of your medicine:

- reduction in blood cell count and anaemias which might make you feel tired or dizzy
- low levels of potassium in the blood
- high levels of sodium in the blood
- inflammation of the kidney
- skin irritation, fever, headache, sore throat, sore muscles and fast heartbeat particularly in patients being treated for syphilis (a sexually transmitted disease)
- diarrhoea, which may, rarely, have blood in it
- thrush or infections with other germs

- fits (convulsions).

## **5. HOW TO STORE BENZYL PENICILLIN INJECTION**

### **Keep out of the sight and reach of children.**

Benzylpenicillin Injection vials should be stored in dry place, below 30°C. Protect from light. Once the content of the vial has been mixed with an injection solution, it should be used immediately. They should not use a bottle after the expiry date printed on the bottle label. The expiry date refers to the last day of that month. Medicines should not be disposed of via wastewater or household waste. Ask your pharmacist how to dispose of medicines no longer required. These measures will help protect the environment.

## **6. FURTHER INFORMATION**

The active substance in Benzylpenicillin Injection is benzylpenicillin sodium.

### **What Benzylpenicillin Injection looks like and the contents of the pack**

**BENCILLIN-5** is White or almost white crystalline powder.

Each carton containing 50 vials of BENCILLIN-5 injection along with leaflet.

### **Marketing Authorisation Holder and Manufacture-**

#### **Marketing Authorisation Holder-**

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