

# Penvik<sup>®</sup>

## Phenoxymethyl Penicillin

### COMPOSITION

**Penvik<sup>®</sup>** Tablet: Each tablet contains Phenoxymethyl penicillin 250 mg (as potassium salt).

**Penvik<sup>®</sup>** DS Tablet: Each tablet contains Phenoxymethyl penicillin 500 mg (as potassium salt).

**Penvik<sup>®</sup>** Forte Powder for Suspension: After reconstitution each 5 ml suspension contains Phenoxymethyl penicillin 250 mg (as potassium salt).

### PHARMACOLOGY

**Penvik<sup>®</sup>** (Phenoxymethyl penicillin or penicillin V) is acid-stable and is absorbed from the upper part of the small intestine. Of different forms of Phenoxymethyl penicillin, the potassium salt of Phenoxymethyl penicillin is best absorbed. **Penvik<sup>®</sup>** may be given with meals but maximum absorption is achieved when drug is administered orally at least 1 hour before or 2 hours after the meal. Phenoxymethyl penicillin offers a very convenient means of treating Gram-positive infections. Phenoxymethyl penicillin has the distinct advantage over penicillin G in resistance to inactivation by gastric acid.

### INDICATION

**Penvik<sup>®</sup>** is indicated in the treatment of mild to moderately severe infections caused by susceptible organisms which are mostly Gram-positive. The following infections usually respond to adequate dosage of **Penvik<sup>®</sup>**. *Streptococcal infections (without bacteremia)*: mild to moderately severe infections of upper respiratory tract, scarlet fever, mild erysipelas. Bacterial endocarditis due to L-Haemolytic *streptococci* (combined with streptomycin), lobar pneumonia, infections due to non-penicillinase producing *staphylococci*. *Pneumococci* infections, Acute otitis media, *Meningococci* infections. Fusospirochetosis: vincent's gingivitis and pharyngitis. *Prophylaxis*: Prevention of recurrence following rheumatic fever and chorea. Puerperal sepsis, Diphtheria, Anthrax, *Gonococcal* infections, Syphilis and yaws, Actinomycosis.

### DOSAGE & ADMINISTRATION

The dosage of **Penvik<sup>®</sup>** should be determined according to the sensitivity of the causative micro-organism and the severity of the infection, and adjusted to the clinical response of the patient.

*Adults* : 250-500 mg 6 hourly

*Children* : 125-250 mg 6 hourly

Forte Powder for Suspension: ½ -1 teaspoonful (2.5-5 ml) 6 hourly

*Infants* : 62.5-125 mg 6 hourly

Forte Powder for Suspension: ½ -1 teaspoonful (2.5-5 ml) 6 hourly, or as prescribed by the physician.

**Penvik<sup>®</sup>** is best taken with an empty stomach, preferably at least 1 hour before or 2 hour after meal.

### CONTRAINDICATION

It is contraindicated in patients known to be hypersensitive to penicillin. It is also contraindicated in severe acute infections.

### SIDE EFFECT

Common encountered untoward effects include nausea, vomiting, epigastric distress & diarrhoea. The hypersensitivity reactions reported are skin eruptions, urticaria and other serum sickness reactions, laryngeal oedema and anaphylaxis.

### DRUG INTERACTION

The activity of Phenoxymethyl penicillin is reduced in the presence of Zinc oxide, Magnesium oxide, Magnesium carbonate, Calamine etc. Aspirin, sulphamethoxypyridazine and sulphaethidole inhibit the serum-binding of Phenoxymethyl penicillin in vitro and in vivo. Moreover, aminoglycosides may be deactivated by Phenoxymethyl penicillin. Probenecid retards the excretion of Phenoxymethyl penicillin when given concomitantly.

### USE IN PREGNANCY AND LACTATION

There are no contraindications to the use of penicillin in pregnancy. Phenoxymethyl penicillin is excreted in the breast milk which might cause allergic reaction to the infants.

### STORAGE

Protect from light and moisture. Store in a cool and dry place.

### HOW SUPPLIED

**Penvik<sup>®</sup>** Tablet : Each box contains 100 tablets in strip pack.

**Penvik<sup>®</sup>** DS Tablet: Each box contains 100 tablets in strip pack.

**Penvik<sup>®</sup>** Forte Powder for Suspension: Each bottle contains dry powder to make 100 ml suspension.

Manufactured by



**SQUARE**  
**PHARMACEUTICALS LTD.**  
Chemical Division, BSCIC  
Pabna, Bangladesh

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