

Version: 2		
Harmony AMS Artwork Information Panel		
Manufacturing Site Number: 62000000056748		
Manufacturing Site(s): GSK_ZSC-BARNARD CASTLE, UNITED KINGDOM		
Product Market Trade Name: Zinnat		
Approving Market(s): CFUN-GRA Labelling-General Export Pack		
Print Process: N/A		
Colour Standard Reference: N/A		
Technical Drawing (Do NOT include version number): JMF231		
Material Spec. (Do NOT include version number): N/A		
Material Type: N/A	N/A	
Total Colours & Varnishes: 1		
BLACK		
Total Special Finishes: 0		
Body Text Size: 8.0pt		
Smallest Text Size: 8.0pt		
Leading: 9.0pt		
Horizontal Scale: 100%		
Microtext: N		
Additional Info (1): N/A		
Additional Info (2): N/A		
Additional Info (3): N/A		

200 mm Measuring Bar

If an e-banner DOES NOT appear on the top of this document, THEN this document has NOT been printed from the Harmony system.

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IMPORTANT

GSK LOC is responsible to approve the change documentation, artwork brief and final artwork, ensuring that it is accurate, consistent and complete.

GSK SDC is responsible for site technical requirements and pre-press suitability.

GSK Market is responsible to advise SDC when changes required impact the following:

Formulation
Tablet embossing
Storage conditions
Shelf Life

NOTE TO MARKET

Local approvers must ensure that trade mark and copyright statements included in the brief comply with guidance provided by Legal: Global Trade Marks.

Following administration of Z/NNAT tablets peak serum levels (2.1 mg/l for a 125 mg dose, 4.1 mg/l for a 250 mg dose, 7.0 mg/l for a 500 mg dose and 13.6 mg/l for a 1 g dose) occur approximately 2 to 3 hours after dosing when taken after food.

The rate of absorption of cefuroxime from the suspension compared with the tablets is reduced, leading to later, lower peak serum levels and reduced systemic bioavailability (4-17% less).

Distribution
Protein binding has been variously stated as 33-50% depending on the methodology used.

Metabolism
Cefuroxime is not metabolised.

Elimination
The serum half life is between 1 and 1.5 hours. Cefuroxime is excreted by glomerular filtration and tubular secretion. Concurrent administration of probenecid increases the area under the mean serum concentrations time curve by 50%.

Renal impairment:
Cefuroxime pharmacokinetics have been investigated in patients with various degrees of renal impairment. Cefuroxime elimination half-life increases with decrease in renal function which serves as the basis for dosage adjustment recommendations in this group of patients (*See Dosage and Administration*). In patients undergoing haemodialysis, at least 60% of the total amount of cefuroxime present in the body at the start of dialysis will be removed during a 4-hour dialysis period. Therefore, an additional single dose of cefuroxime should be administered following the completion of haemodialysis.

Non-Clinical Information
Animal toxicity studies indicated that cefuroxime is of low toxicity with no significant findings.

PHARMACEUTICAL INFORMATION

List of Excipients

Aspartame
Xantham gum
Acesulfame potassium
Povidone K30
Stearic acid
Sucrose
Tutti-frutti flavour

Sucrose Quantities:

Sucrose quantity (g per dose)				
125 mg/5 ml Suspension	250 mg/5 ml Suspension	125 mg Sachet	250 mg Sachet	500 mg sachet
3.062 g	2.289 g	3.062 g	6.124 g	12.248 g

Shelf-Life

The expiry date of the granules is indicated on the packaging.

The reconstituted suspension when refrigerated between 2 and 8°C can be kept for up to 10 days.

Storage

The storage conditions are detailed on the packaging. The reconstituted suspension must be refrigerated immediately at between 2 and 8°C.

Nature and Contents of Container

Multidose bottles:
Z/NNAT Suspension is supplied in PhEur Type III amber glass bottles with an induction heat seal membrane containing either 125 mg/5 ml or 250 mg/5 ml product. Dosing syringes are available with multidose bottles of both strengths.

Sachets:
Z/NNAT Suspension in sachets for oral use is supplied in paper/polyethylene/foil/ ethylenemethacrylic acid ionomer laminated sachet. When reconstituted as directed, it provides the equivalent of 125 mg, 250 mg or 500 mg of Z/NNAT (as cefuroxime axetil) per sachet.

Incompatibilities

None.

Use and Handling

• Reconstitution/Administration Instructions

Please note that the time taken to prepare Z/NNAT suspension before administration of the first dose will take more than one hour. This includes time for the suspension to "settle" in the refrigerator

Directions for reconstituting suspension in multidose bottles:



Shake the bottle to loosen the content. All the granules should be free-flowing in the bottle. Remove the bottle cap and the heat-seal membrane. If the latter is damaged or not present, return the product to the pharmacist.



Add an amount of cold water up to the volume line on the measuring cup provided. If the water was previously boiled it must be allowed to cool to room temperature before adding. Do not mix Z/NNAT oral suspension with hot or warm liquids. Cold water must be used to prevent the suspension becoming too thick.



Pour the total amount of cold water into the bottle. Replace the bottle cap. Allow the bottle to stand to allow the water to fully soak through the granules; this should take about one-minute



Invert the bottle and shake well (for at least 15 seconds) until all the granules have mixed with the water.



Turn the bottle into an upright position and shake well for at least one-minute until all the granules have blended with the water.

- Store the cefuroxime axetil suspension in the refrigerator immediately at between 2 and 8°C (do not freeze) and let it rest for at least one hour before taking the first dose. The reconstituted suspension should be refrigerated at all times; when refrigerated between 2 and 8°C, the reconstituted suspension can be kept for up to 10 days.
- Always shake the bottle well before taking the medication. A dosing syringe or spoon is provided for the administration of each dose.
- If desired, cefuroxime axetil suspension from multidose bottles can be further diluted in cold fruit juices, or cold milk drinks and should be taken immediately after mixing.

• Directions for using the dosing syringe (if supplied)

1. Remove the bottle cap and insert the syringe-collar assembly into the neck of the bottle. Press it down completely until the collar fits in the neck firmly. Invert the bottle and syringe.
2. Pull the plunger up the barrel until the barrels rim is aligned with the mark on the plunger corresponding to the required dose.
3. Turn the bottle and syringe into an upright position. While holding onto the syringe and the plunger to ensure that the plunger does not move, remove the syringe from the bottle, leaving the plastic collar in the bottle neck.
4. With the patient seated in an upright position, place the tip of the syringe just inside the patient's mouth, pointing towards the inside of the cheek.
5. Press the plunger of the syringe in slowly to expel the medicine without causing choking.
6. After giving the dose, replace the bottle cap without removing the plastic collar. Dismantle the syringe and wash it thoroughly in water. Allow the plunger and the barrel to dry naturally.

• Directions for reconstituting suspension from sachets

1. Empty granules from sachet into a glass.
2. Add a small volume of cold water.
If desired, cefuroxime axetil granules from the sachet can be further diluted in cold fruit juices, or cold milk drinks and should be taken immediately after mixing.
3. Stir well and drink immediately.

Not all presentations are available in every country.

Manufactured and Packed by:

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