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Draft Guidance on Cephalexin

October 2024

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Active Ingredient: Cephalexin

Dosage Form: Capsule

Route: Oral

Strengths: EQ 250 mg Base, EQ 333 mg Base, EQ 500 mg Base, EQ 750 mg Base

Recommended Study: One in vivo bioequivalence study with pharmacokinetic endpoints

1. Type of study: Fasting
   Design: Single-dose, two-treatment, two-period crossover in vivo
   Strength: EQ 750 mg Base
   Subjects: Healthy males and non-pregnant, non-lactating females
   Additional comments: None

Analyte to measure: Cephalexin in plasma

Bioequivalence based on (90% CI): Cephalexin

Waiver request of in vivo testing: EQ 250 mg Base, EQ 333 mg Base, and EQ 500 mg Base strengths based on (i) acceptable bioequivalence study on the EQ 750 mg Base strength, (ii) acceptable dissolution testing across all strengths, and (iii) proportional similarity of the formulations across all strengths

Dissolution test method and sampling times: The dissolution information for this drug product can be found in the FDA's Dissolution Methods database, http://www.accessdata.fda.gov/scripts/cder/dissolution/. Conduct comparative dissolution testing on 12 dosage units for each of all strengths of the test product and reference listed drug (RLD).[1] Specifications will be determined upon review of the abbreviated new drug application.

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[1] If the RLD is not available, refer to the most recent version of the FDA guidance for industry on *Referencing Approved Drug Products in ANDA Submissions*.