

Contains Nonbinding Recommendations
Draft – Not for Implementation
Draft Guidance on Doxycycline Hyclate
October 2024

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Active Ingredient: Doxycycline hyclate

Dosage Form: Tablet

Route: Oral

Strength: EQ 100 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 100 mg Base
Subjects: Healthy males and non-pregnant, non-lactating females
Additional comments: None

Analyte to measure: Doxycycline in plasma

Bioequivalence based on (90% CI): Doxycycline

Waiver request of in-vivo testing: Not applicable

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 the test product and reference listed drug (RLD).¹ Specifications will be determined upon review of the abbreviated new drug application.

Document History: Recommended November 2019; Revised October 2024

Unique Agency Identifier: PSG_209844

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*.