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General BA annual Communication of the Communicatio

### **Congradiate**

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AgMson, committeesineemic.

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Discussions at Lavare's lamma and and an action by

Changes in Draft Cindands

Kinal Guidands (Cindands)

Review of Comments

Center for Drug Eva uation and Research

### (Managh(Consulations) TESTIONIS TREBUIRS

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Meditisk in Atsociation and the control of the cont allises sound scientification of the plant of the contract of

nguality.

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### Companisaminis a company as a

BAY FOCUSESTON IN STREET OF MALE AND ASSESSED AS A SECOND AS A SECOND

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Drug Evaluation and Bosson

### BayonitoirikySintikiississis

active and inactive introcurs are assembled in the same and approportion.

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CDER

### Dogunalisticolorationalisticolo

### intersection in the content of the c

- OPPORTUINED CONCENTS IN FRANCES
- Pharmereogynamic Methods
- Commentation ve (Unitation La società
- o*lin Vino* Suggest

CDER

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### Plannagokineirekinige

General considerations acquisite consideration

Pilot and pivoral strates

: Study design - Single dose

Crossoverdesignificanika dretenien and be

Replicaterdesign for WR of our will us 224 5 1 1 2

Replicate designion management contra

products (IBE)

\*PK\*measures of systemore volumes and to any assessment and the

(AUC) exposure

Statistical Analysis 9.09% Che 302 92572 242 months

COER

# Planmareokintente Suttines Measures of Systematic Application Partial AUC with a surrous Peak Exposure (Cmax Potal Exposure (AUC) Center for Drug Evaluation and Research

# General Considerations Focus is on the research substance from the circumstance of the systemic circumstance Systemic circumstance For wing sussources state For wing sussources state Center for Dag Evaluation and Research

### Immediate Retease Document and the

### Biowaivers (pijeappiowal)

- For HS, HP rapidly disselvent and another the lates of the lower strongth (s)
  - Dissolution profile companyspan, company
- -> Dissolution profile coment on a continue of the continue o
- Biowaivers (post-approval)

rug Evaluation and Research

### MOONTO PROPERTY OF THE PARTY OF

### General Considerations

- Bioavailability Studies
  - a. A single-dose lasting symmetral results and the contract of the contract of
  - \* A single dose flood-effect snow a manera and remain a man
  - A steady state study using inches usurang items.
- Bioequivalence Studies
  - A single dose replicate Besine year the established and comparing II and Reproduces
  - A food-effect study at inighest sine near the companies to and its
    products.

### Modified Recently sugar in the

### nuniple-dose Bioequivalencesquese

Because a single dose spice, as considered and the primary question and a structure of the primary question and a structure of the drug substance in the action as a second considered as a systemic circulation as multiple telescope and a second considered as a second consider

distribution of the control of the c

### Modified Release Proseculation

### Biowaivers (preapproval)

- For lower strength(s) beadlessements.
- Forlowersnength(s) Materia
  - A Same dosage forme proportionally and macrice ingredients and incapacitation beloase mechanism.
  - Dissolution profile companies means and the sale of 1,2,4.5 and 6.8

Biowaivers (post-approval)

### 

BA Studies: Parent drugjand merciosmes BEStudies: Measurement drugs paratrices

- Measurement of agmetable includes a consumer many includes a level are too low in allower and the consumer and the biological fluid. (Meaboute consumer and the consumer and t
- When metabolite consitours as examine an assessment of the efficacy, parent drug and an entering should be assessed on parent drug. Metabolite contains provides assessed supportive evidence as

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### <u>Diemiomyks</u>katemanares

Studies: Measurement of facemates as a community as

Measurement of enationers in BE an execution of enationers in BE an execution of enations are men.

Enantiomers exhibit different PD characteristics

Enantiomers exhibit different PK. Granacteristics

The primary efficacy/safety activity resides and the manor enaminates.

Non-linear absorption is present for at easy on-small constitution.

### Longhalla chica Dances a cara

BA: Characterization itoghatical terms in a study and the BE: Collection time accordance and the characteristic accordance transit time of the characteristic accordance accordance. ACC in the accordance in a substance.

nervice springs proper springs

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BA and BESimina

General Consultarations and the

### the General BA and BE guidance (for other 2000) as its countries and

- Guidelines for the evaluation products (April 1984)
- Statistical procedures to a statistical procedure to a sta
- Drug specific BE guidances (CDER EDA)

### BA and BE Studies General Constitution

### idmnigger:

tent with public health's objectives of the transfer and products.

Blowaivers for lower strengths of

IR products

MR Beaded capsules

MR tablet dosage forms

Blowaiver for higher strength of IR product

-Plimination of multiple dose BE studies to wire dosage forms

Reduced emphasis on measuring interview of the control of the cont