

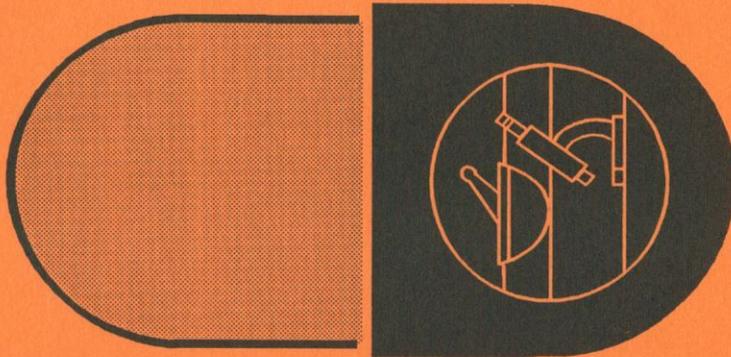
**CUMULATIVE  
SUPPLEMENT 2**

**JAN'94-FEB'94**

# **APPROVED DRUG PRODUCTS**

**WITH  
THERAPEUTIC EQUIVALENCE EVALUATIONS**

**14<sup>TH</sup> EDITION**



RM  
301.45  
.A66  
1994  
Feb 2  
Suppl

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
PUBLIC HEALTH SERVICE  
FOOD AND DRUG ADMINISTRATION

APPROVED DRUG PRODUCTS  
with  
THERAPEUTIC EQUIVALENCE EVALUATIONS

14TH EDITION

Cumulative Supplement 2

FEBRUARY 1994

CONTENTS

	<i>PAGE</i>
1.0 INTRODUCTION . . . . .	iii
1.1 How to Use the Cumulative Supplement . . . . .	iii
1.2 Products Requiring Revised Labeling for Full Approval . . . . .	v
1.3 Applicant Name Changes . . . . .	vi
1.4 USP Monograph Title Additions or Changes . . . . .	vi
1.5 Report of Counts for the Prescription Drug Product List . . . . .	viii
2.0 DRUG PRODUCT LISTS . . . . .	
2.1 Prescription Drug Product List . . . . .	1
2.2 OTC Drug Product List . . . . .	8
2.3 Drug Products with Approval under Section 505 of the Act Administered by the Center for Biologics Evaluation and Research List . . . . .	9
2.4 Orphan Drug Product Designations . . . . .	10
2.5 Drug Products Which Must Demonstrate in vivo Bioavailability Only if Product Fails to Achieve Adequate Dissolution . . . . .	11
2.6 Biopharmaceutic Guidance Availability . . . . .	12
2.7 ANDA Suitability Petitions . . . . .	13
PATENT AND EXCLUSIVITY INFORMATION ADDENDUM	
A. Exclusivity Terms . . . . .	14
B. Patent and Exclusivity Lists . . . . .	15

Library Use Only

Approved drug products with  
therapeutic equivalence

C:355661 M:174736 O:12937927  
**THERAPEUTIC EQUIVALENCE EVALUATIONS**

**14TH EDITION**

**CUMULATIVE SUPPLEMENT 2**

**FEBRUARY 1994**

**1.0 INTRODUCTION**

### 1.1 HOW TO USE THE CUMULATIVE SUPPLEMENT

This Cumulative Supplement is one of a series of monthly updates to the Approved Drug Products with Therapeutic Equivalence Evaluations, 14th Edition (the List). The List is composed of four parts: approved prescription drug products with therapeutic equivalence evaluations, over-the-counter (OTC) drug products that require approved applications as a condition of marketing, drug products with approval under Section 505 of the Act administered by the Center for Biologics Evaluation and Research and products that have never been marketed, have been discontinued from marketing or that have had their approvals withdrawn for other than safety or efficacy reasons.

The Cumulative Supplement provides, among other things, information on newly approved drugs and, if necessary, revised therapeutic equivalence evaluations and updated patent and exclusivity data. The Addendum contains appropriate drug patent and exclusivity information required of the Agency by the "Drug Price Competition and Patent Term Restoration Act of 1984" for the Prescription, OTC, and Drug Products with Approval under Section 505 of the Act Administered by the Center for Biologics Evaluation and Research Lists.

The Patent and Exclusivity Lists are arranged in alphabetical order by active ingredient name. For those products with multiple active ingredients, only the first active ingredient (in alphabetical sort) will appear. In addition, the trade name will be displayed to the right of the active ingredient name for each product. Also shown is the application number and product number (FDA's internal file number) for reference purposes. All patents with their expiration dates are displayed for each application number. Use patents are indicated with the symbol "U" followed by a number representing a specific use. Exclusivity information for a specific drug is indicated by an abbreviation followed by the date upon which the exclusivity expires. Refer to the Exclusivity Terms section in the Patent and Exclusivity Information Addendum for an explanation of all codes and abbreviations.

Because all parts of the publication are subject to changes, additions, or deletions, the List must be used in conjunction with the most current Cumulative Supplement. Users may wish to place an asterisk (\*) to the left of the ingredient(s) in the List to indicate that changes to that entry appear in the Cumulative Supplement.

Drug product information is provided in each Cumulative Supplement for completeness to assist in locating the proper place in the List for the revision. [Strength(s) which already exist in the List will not be repeated for context.]

The presence of any therapeutic equivalence code indicates that the drug product is multisource; the deletion of a therapeutic equivalence code indicates that the drug product has become single source. (An infrequent exception exists when a therapeutic equivalence code is revised. In that case the deletion of the therapeutic equivalence code is followed immediately by the addition of the revised one.)

Additions new to the Prescription Drug Product List, OTC Drug Product List, and the Patent and Exclusivity Data are indicated by the symbol >ADD> to the left of the line on which new information exists. The >ADD> symbol is then dropped in subsequent Cumulative Supplements for that item.

Deletions new to the Prescription Drug Product List, OTC Drug Product List, and the Patent and Exclusivity Data are indicated by the symbol >DLT> (DELETE) to the left of the line containing overstruck print. The >DLT> symbol is dropped in subsequent Cumulative Supplements for that item. The overstruck print remains in the Prescription Drug Product List and OTC Drug Product Lists in all Cumulative Supplements for this edition. However, the overstruck print in the Patent and Exclusivity Data is dropped in subsequent Cumulative Supplements.

Products that have never been marketed, have been discontinued from marketing or that have had their approvals withdrawn for other than safety or efficacy reasons, will be flagged in this Cumulative Supplement with the "ⓐ" symbol to designate their non-marketed status. All products having a "ⓐ" symbol in the 12th Cumulative Supplement of the 14th Edition List will then be added to the "Discontinued Drug Product List" appearing in the 15th Edition.

## 1.2 PRODUCTS REQUIRING REVISED LABELING FOR FULL APPROVAL

Drug products in this category (1) initially received approval only on the basis of safety before effectiveness studies were required, or (2) were conditionally approved under the temporary exemption that allowed these products to be marketed while effectiveness studies were being conducted. Listed below are those drugs which are now required to revise their labeling and provide additional information necessary for full approval on the basis of requirements listed in the Federal Register. As approval is granted by the Agency for a specific product, based on additional information submitted by the applicant, the product will be included in the appropriate Drug Product List.

<u>Products</u>	<u>Federal Register Reference</u>
Nitroglycerin (capsule, controlled release;oral)	SEP 07, 1984 (49 FR 35428)
Nitroglycerin (film, extended release; transdermal*)	JUL 15, 1993 (58 FR 38129)
Nitroglycerin (tablet, controlled release;oral)	SEP 07, 1984 (49 FR 35428)
Nitroglycerin (tablet, controlled release;buccal)	JUL 05, 1985 (50 FR 27688)

\*The Federal Register of July 15, 1993 (58 FR 38129) announced that the FDA was revoking the temporary exemption for nitroglycerin in a transdermal delivery system. Marketing of a drug product that is the subject of a conditionally approved ANDA may continue by meeting the requirements listed in the Federal Register. Firms wishing to submit a new ANDA before a drug product is approved (NDA or ANDA) and appears in the List should submit a 505(b)(2) application following the directions contained in the Federal Register. Nitro-Dur has been selected as the reference listed drug. The preamble to the final rule (57 FR 17958) states if there are multiple NDA's, the reference listed drug generally will be the market leader. This is the basis upon which Nitro-Dur was selected. In addition, the preamble states that, in multiple NDA situations, a product not designated as the reference listed drug and not shown to be bioequivalent to the reference listed drug may be shielded from generic competition. This is the case with Summit's Transderm-Nitro. The Office of Generic Drugs (OGD) has been requested to have a second listed drug as provided for in the Final Rule. OGD has granted this request. Therefore, at the time that Schering's and Summit's supplements are fully approved and their products are entered into the List, we will have two reference listed drugs for the nitroglycerin transdermal systems. Firms may, therefore, elect to conduct bioequivalence studies against either of these products. It is conceivable that a non-referenced listed drug may be fully approved and appear in the List; in this case, the Agency's referenced listed drug will not change and a 505(b)(2) application will be appropriate until the reference listed drugs are fully approved. Once they are fully approved, a 505(j) application will be the appropriate mechanism for an ANDA submission.

### 1.3 APPLICANT NAME CHANGES

It is not practical to identify in the Cumulative Supplement each and every product involved when an applicant transfers its entire line of approved drug products to another applicant; or when an applicant changes its name; or when an applicant name is changed to meet internal publication standards. Therefore, the cumulation of these transfers and name changes will be identified in this section only. Where only partial approved product lines are transferred between applicants, each approved product involved will appear as an applicant name change in the Cumulative Supplement.

#### APPLICANT NAME CHANGES

FORMER APPLICANT NAME  
(FORMER ABBREVIATED NAME)

NEW APPLICANT NAME  
(NEW ABBREVIATED NAME)

BANNER GELATIN PRODUCTS CORP  
(BANNER GELATIN)

BANNER PHARMACAPS INC  
(BANNER PHARMACAPS)

PHARMACAPS INC  
(PHARMACAPS)

BANNER PHARMACAPS INC  
(BANNER PHARMACAPS)

RICHLYN LABORATORIES INC  
(RICHLYN)

GLOBAL PHARMACEUTICAL CORPORATION  
(GLOBAL PHARM)

### 1.4 USP MONOGRAPH TITLE ADDITIONS OR CHANGES

The U.S. Pharmacopeia (USP) periodically makes additions to or changes in monograph titles. Some of these additions or changes may affect dosage form terms listed in *Approved Drug Products with Therapeutic Equivalence Evaluations* (ADP). Instead of making the change in each affected product, the Cumulative Supplement (CS) will list applicable monograph title and dosage form additions or changes in this section. These will appear as soon as the modified USP monograph title is official. It is possible for these additions or changes to be listed in this section before all applicant holders have made labeling modifications.

The monograph title additions or changes shown below will remain in this section in each succeeding supplement of this edition. Once the next edition of the ADP is published, the products affected by the title additions or changes will be displayed with the new dosage form in the appropriate drug list. As notification to the reader, these monograph title additions or changes will also be listed in a special section of the ADP.

USP MONOGRAPH TITLE ADDITIONS OR CHANGES

FORMER USP MONOGRAPH TITLE  
(FORMER ADP DOSAGE FORM; ROUTE)

NEW USP MONOGRAPH TITLE  
(NEW ADP DOSAGE FORM; ROUTE)

THERE WERE NO USP MONOGRAPH TITLE ADDITIONS OR CHANGES DURING THE MONTH OF FEBRUARY 1994.

## 1.5 REPORT OF COUNTS FOR THE PRESCRIPTION DRUG PRODUCT LIST

### DESCRIPTION OF REPORT

This report provides summary counts derived from the product information in the Prescription Drug Product List and the current Cumulative Supplement. Products included in the counts are domestically marketed drug products approved for both safety and effectiveness under sections 505 and 507 of the Federal Food, Drug, and Cosmetic Act. Excluded are approved drug products marketed by distributors; those marketed solely abroad; and those now regarded as medical devices, biologics or foods.

The baseline column (Dec 1993) refers to the products in the Prescription Drug Product List. For each three-month period, a column of quarterly data is added which incorporates counts of product activity from the previous quarter(s) with those in the baseline count.

### DEFINITIONS

#### Drug Product

For this report, a drug product is the representation in the Prescription Drug Product List of an active moiety (molecular entity and its salts, esters and derivatives) either as a single ingredient or as a combination product provided in a specific dosage form and strength for a given route of administration with approval for marketing by a firm under a particular generic or trade name.

#### New Molecular Entity

A new molecular entity is considered an active moiety that has not previously been approved (either as the parent compound or as a salt, ester or derivative of the parent compound) in the United States for use in a drug product either as a single ingredient or as part of a combination.

REPORT OF COUNTS FOR THE PRESCRIPTION DRUG PRODUCT LIST

COUNTS CUMULATIVE BY QUARTER

	<u>DEC 1993</u>	<u>MAR 1994</u>	<u>JUN 1994</u>	<u>SEP 1994</u>
<u>CATEGORIES COUNTED</u>				
DRUG PRODUCTS LISTED	9140			
SINGLE SOURCE	2144 (23.5%)			
MULTISOURCE	6996 (76.5%)			
THERAPEUTICALLY EQUIVALENT	6292 (68.8%)			
NOT THERAPEUTICALLY EQUIVALENT	527 ( 5.8%)			
EXCEPTIONS <sup>1</sup>	177 ( 1.9%)			
NEW MOLECULAR ENTITIES APPROVED	--			
NUMBER OF APPLICANTS	526			

<sup>1</sup>Amino acid-containing products of varying composition (see Introduction, page xvii of the List).



CEFADROXIL/CEFADROXIL HEMIHYDRATE

CAPSULE; ORAL  
/GEFADROXIL/  
/ZENITH/  
/AB/ /EQ 500MG BASE/

/N62774/001/  
/APR/14/1983/  
N62766 001  
MAR 03, 1987

CLOBETASOL PROPIONATE

CREAM; TOPICAL  
CLOBETASOL PROPIONATE  
COPLEY  
TEMOVATE  
+ GLAXO

>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>

N74087 001  
FEB 16, 1994  
N19322 001  
DEC 27, 1985

TABLET; ORAL  
/GEFADROXIL/  
/ZENITH/  
/AB/ /EQ 1GM BASE/

/N62774/001/  
/APR/08/1983/  
N62774 001  
APR 08, 1987

ONJMENT; TOPICAL  
CLOBETASOL PROPIONATE  
COPLEY  
TEMOVATE  
+ GLAXO

>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>  
>\_ADD\_>

N74089 001  
FEB 16, 1994  
N19323 001  
DEC 27, 1985

CHLORAMPHENICOL

ONJMENT; OPHTHALMIC

/CHLOROFAIR/  
/PHARMAFAIR/  
/AB/ /EQ 1% /

/N62439/001/  
/APR/21/1983/  
N62439 001  
APR 21, 1983

CORTISONE ACETATE  
INJECTABLE; INJECTION  
CORTISONE ACETATE  
/STERIS/  
@ STERIS  
@ UPJOHN  
@ UPJOHN

>\_DLT\_>  
>\_DLT\_>  
>\_ADD\_>  
>\_DLT\_>  
>\_ADD\_>

/N83147/003/  
/N83147/004/  
N83147 003  
N83147 004  
/N83147/002/  
N08126 002

SOLUTION/DROPS; OPHTHALMIC

/CHLOROFAIR/  
/PHARMAFAIR/  
/AB/ /EQ 0.5% /

/N62437/001/  
/APR/14/1983/  
N62437 001  
APR 14, 1983

>\_DLT\_>  
>\_DLT\_>  
>\_ADD\_>  
>\_DLT\_>  
>\_ADD\_>

/25MG/ML/  
/50MG/ML/  
25MG/ML  
50MG/ML  
/25MG/ML/  
25MG/ML

CHLORHEXIDINE GLUCONATE

SOLUTION; DENTAL

PERIDEX  
AI + P AND G

/EQ 0.12% /

N19028 001  
AUG 13, 1986

CYTARABINE  
INJECTABLE; INJECTION  
CYTARABINE  
+ BULL

>\_ADD\_>  
>\_ADD\_>

N72945 001  
FEB 28, 1994

PERTOGARD  
AI COLGATE PALMOLIVE

/EQ 0.12% /

N73695 001  
JAN 14, 1994

DEXTROAMPHETAMINE SULFATE

/FLIXITR/ ORAL/  
/DEXEDRINE/  
/SMITHKLINE/BEECHAM/  
@ SMITHKLINE BEECHAM

>\_DLT\_>  
>\_DLT\_>  
>\_DLT\_>  
>\_ADD\_>

/N83902/001/  
N83902 001

CHLORTHALIDONE

TABLET; ORAL

THALITONE  
+ HORUS THERAP

/EQ 15MG /

N19574 001  
DEC 20, 1988

/N19574/001/  
/DEC/20/1988/

DEXTROROTHYXINE SODIUM

TABLET; ORAL  
CHOLOXIN

> ADD >  
> DLT >  
> DLT >  
> ADD >

4MG  
/8MG/  
/4MG/  
6MG

N12302 004  
/N12302/006/  
/N12302/004/  
N12302 006

ESTRADIOL VALERATE; TESTOSTERONE ENANTHATE

INJECTABLE; INJECTION  
/DELAMONNE/  
@ SQUIBB

> DLT >  
> ADD >

4MG/ML; 90MG/ML

N09545 001

TESTOSTERONE ENANTHATE AND ESTRADIOL VALERATE  
/STERIS/  
+ STERIS

> DLT >  
> ADD >

4MG/ML; 20MG/ML/  
4MG/ML; 90MG/ML

/N65665/001/  
N85865 001

DILTIAZEM HYDROCHLORIDE

TABLET; ORAL  
DILTIAZEM HCL

> ADD >  
> ADD >  
> ADD >  
> ADD >

30MG  
60MG

N74084 001  
FEB 25, 1994  
N74084 002  
FEB 25, 1994

INJECTABLE; INJECTION  
ETOPOSID

> ADD >  
> ADD >  
> ADD >

20MG/ML

N74284 001  
FEB 10, 1994

VEPESID  
+ BRISTOL

> ADD >  
> ADD >

20MG/ML

N18768 001  
NOV 10, 1983

ERYTHROMYCIN

SOLUTION; TOPICAL  
ERYTHROMYCIN

AT

BAUSCH AND LOMB

2%

FAMOTIDINE

INJECTABLE; INJECTION  
PEPCID IN PLASTIC CONTAINER  
+ MERCK

> ADD >  
> ADD >  
> ADD >

0.4MG/ML

N20249 001  
FEB 18, 1994

ERYTHROMYCIN ETHYLSUCCINATE

SUSPENSION; ORAL

ERYTHROMYCIN ETHYLSUCCINATE

> DLT >  
> DLT >  
> ADD >  
> ADD >

/EQ 200MG BASE/5ML/  
/EQ 400MG BASE/5ML/  
EQ 200MG BASE/5ML  
EQ 400MG BASE/5ML

/N62177/001/  
/N62177/002/  
N62177 001  
N62177 002

INJECTABLE; INJECTION  
/MAZICON/  
/+/ROCHE/

> DLT >  
> DLT >  
> ADD >  
> ADD >

0.1MG/ML

/N20073/001/  
/DEC/20, 1991/

TABLET; ORAL  
E.S. 400

> DLT >  
> DLT >  
> ADD >  
> ADD >

/EQ 400MG BASE/  
/EQ 400MG BASE/  
EQ 400MG BASE

/N61905/001/  
/N61905/002/  
/N61905/002/  
/AUG 12, 1982/  
N61905 001

FOLIC ACID  
TABLET; ORAL  
FOLIC ACID  
@ PUREPAC/

> DLT >  
> ADD >

1MG/  
1MG

/N80784/001/  
N80784 001

ESTRADIOL VALERATE; TESTOSTERONE ENANTHATE

INJECTABLE; INJECTION  
/DELAMONNE/  
@ SQUIBB

> DLT >  
> DLT >

4MG/ML; 20MG/ML

/N65665/001/



KANAMYCIN SULFATE

INJECTABLE; INJECTION

KANTREX

> DLT > /AP/+/PRISTIN/ /EQ 15MG BASE/2ML/ /N61655/001/

> DLT > /AP/ /EQ 15MG BASE/2ML/ /N62564/001/

> DLT > /AP/ /EQ 15MG BASE/2ML/ /SEP/21/1984/

> DLT > /AP/+/ /EQ 500MG BASE/2ML/ /N61655/001/

> DLT > /AP/ /EQ 500MG BASE/2ML/ /N62564/002/

> DLT > /AP/ /EQ 500MG BASE/2ML/ /SEP/21/1984/

> DLT > /AP/+/ /EQ 1GM BASE/3ML/ /N61655/002/

> DLT > /AP/ /EQ 1GM BASE/3ML/ /N62564/003/

> DLT > /AP/ /EQ 1GM BASE/3ML/ /SEP/21/1984/

NAPROXEN

TABLET; ORAL

NAPROXEN  
ROXANE

> ADD > AB  
> ADD >  
> ADD > AB  
> ADD > AB  
> ADD > AB  
> ADD >

/N61655/001/ JAN 27, 1994  
/N62564/001/ JAN 27, 1994  
/SEP/21/1984/ JAN 27, 1994  
/N61655/001/ FEB 28, 1994  
/N62564/002/ FEB 28, 1994  
/SEP/21/1984/ FEB 28, 1994

/EQ 25MG BASE/2ML/ N74211 001  
/EQ 15MG BASE/2ML/ FEB 28, 1994  
/EQ 15MG BASE/2ML/ N74211 002  
/EQ 500MG BASE/2ML/ FEB 28, 1994  
/EQ 500MG BASE/2ML/ N74211 003  
/EQ 1GM BASE/3ML/ FEB 28, 1994  
/EQ 1GM BASE/3ML/ N74211 001  
/EQ 1GM BASE/3ML/ FEB 28, 1994

LEUCOVORIN CALCIUM

INJECTABLE; INJECTION

LEUCOVORIN CALCIUM

> DLT > /+/IMMUNEX/ /EQ 3MG BASE/ML/ /N08107/001/

> ADD >

/N08107/001/ NO8107 001

/EQ 3MG BASE/ML/ N74289 001  
/EQ 3MG BASE/ML/ JAN 27, 1994  
/EQ 500MG BASE/ N74289 002  
/EQ 500MG BASE/ JAN 27, 1994

TABLET; ORAL  
NAPROXEN SODIUM  
COPLY

AB  
AB

EQ 250MG BASE  
EQ 500MG BASE

N74289 001  
JAN 27, 1994  
N74289 002  
JAN 27, 1994

METHAZOLAMIDE

TABLET; ORAL

METHAZOLAMIDE  
MIKART

AB  
AB

25MG  
50MG

N40062 001  
JAN 27, 1994  
N40062 002  
JAN 27, 1994

> DLT >  
> DLT >  
> ADD >  
> ADD >

INJECTABLE; INJECTION

NITROGLYCERIN  
/NITRONAL/  
+/POSKAMP/

1MG/ML  
1MG/ML

/N18672/001/  
/AUG/30/1983/  
N18672 001  
AUG 30, 1983

METOPROLOL TARTRATE

TABLET; ORAL

METOPROLOL TARTRATE  
APOTHECON

AB  
AB  
AB  
AB

50MG  
100MG  
50MG  
100MG

N74258 001  
JAN 27, 1994  
N74258 002  
JAN 27, 1994  
N74333 001  
JAN 27, 1994  
N74333 002  
JAN 27, 1994

> DLT >  
> DLT >  
> ADD >

TABLET; ORAL

NORETHINDRONE  
/NORLUTIN/  
+/PARKE/DAVIS/  
@ PARKE DAVIS

15MG/  
5MG

/N18895/002/  
N18895 002

NAFACILLIN SODIUM

INJECTABLE; INJECTION

UNEPEN

MYETH AYERST

EQ 10GM BASE/VIAL  
EQ 20GM BASE/VIAL

N50320 005  
N50320 006

> ADD > AP  
> ADD >

100,000 UNITS/ML

N64042 001  
FEB 28, 1994

NYSTATIN; TRIAMCINOLONE ACETONIDE

CREAM; TOPICAL

NYSTATIN AND TRIAMCINOLONE ACETONIDE

> DLT > /AT / PHARMAFAIR / 100,000 UNITS/GM; 0.1% / N62657/001 / N62657/001 /  
 > DLT > /AT / PHARMAFAIR / 100,000 UNITS/GM; 0.1% / JUL 30, 1986 /  
 > ADD > @ PHARMAFAIR 100,000 UNITS/GM; 0.1% N62657 001  
 > ADD > @ PHARMAFAIR 100,000 UNITS/GM; 0.1% JUL 30, 1986

PREDNISOLONE SODIUM PHOSPHATE

SOLUTION/DROPS; OPHTHALMIC

> DLT > /AT / PHARMAFAIR / 0.9% PHOSPHATE / N88165/001 /  
 > DLT > /AT / PHARMAFAIR / 0.9% PHOSPHATE / N88165/001 /  
 > ADD > @ PHARMAFAIR EQ 0.9% PHOSPHATE N88165 001  
 > ADD > @ PHARMAFAIR EQ 0.9% PHOSPHATE MAR 28, 1983

ORPHENADRINE HYDROCHLORIDE

/TABLET; ORAL/

> DLT > /AT / PHARMAFAIR / 50MG / N10653/001 /  
 > DLT > /AT / PHARMAFAIR / 50MG / N10653 001  
 > ADD > @ 3M 50MG

PROPANTHELINE BROMIDE

TABLET; ORAL

> ADD > AA PRO-BANTHINE 7.5MG  
 > ADD > AA ROBERTS 15MG  
 > DLT > /AA / SCS/PHARMS / 7.5MG /  
 > DLT > /AA / SCS/PHARMS / 15MG /

PENICILLIN G POTASSIUM

INJECTABLE; INJECTION

PENICILLIN G POTASSIUM

> ADD > @ APOTHECON 1,000,000 UNITS/VIAL N60362 001  
 > ADD > @ 5,000,000 UNITS/VIAL N60362 003  
 > ADD > @ 10,000,000 UNITS/VIAL N60362 004  
 > ADD > @ 20,000,000 UNITS/VIAL N60362 002  
 > DLT > /AP / SCS/PHB / 1,000,000 UNITS/VIAL / N60362/001 /  
 > DLT > /AP / SCS/PHB / 5,000,000 UNITS/VIAL / N60362/003 /  
 > DLT > /AP / SCS/PHB / 10,000,000 UNITS/VIAL / N60362/004 /  
 > DLT > /AP / SCS/PHB / 20,000,000 UNITS/VIAL / N60362/002 /

PSEUDOEPHEDRINE HYDROCHLORIDE; TRIPROLIDINE HYDROCHLORIDE

TABLET; ORAL

> DLT > /AT / PHARMAFAIR / 60MG; 2.5MG / N88860/001 /  
 > DLT > /AT / PHARMAFAIR / 60MG; 2.5MG / JAN 31, 1985 /  
 > DLT > @ PRIVATE FORM 60MG; 2.5MG N88860 001  
 > ADD > @ PRIVATE FORM 60MG; 2.5MG JAN 31, 1985

PINDOLOL

TABLET; ORAL

PINDOLOL

AB AB MUTUAL PHARM 5MG N74063 001  
 AB AB MUTUAL PHARM 10MG N74063 002  
 JAN 27, 1994  
 JAN 27, 1994

SALMETEROL XINAFOATE

AEROSOL, METERED; INHALATION

> ADD > SEREVENT N20236 001  
 > ADD > + GLAXO EQ 0.021MG BASE/TINH FEB 04, 1994  
 > ADD >

PIROXICAM

CAPSULE; ORAL

PIROXICAM

AB AB NOVOPHARM 10MG N73637 001  
 AB AB NOVOPHARM 20MG N73638 001  
 JAN 28, 1994  
 JAN 28, 1994

SULFACETAMIDE SODIUM

SOLUTION/DROPS; OPHTHALMIC

> DLT > /AT / PHARMAFAIR / 30% / N88385/001 /  
 > DLT > /AT / PHARMAFAIR / 30% / OCT 13, 1983 /  
 > ADD > @ PHARMAFAIR 30% N88385 001  
 > ADD > @ PHARMAFAIR 30% OCT 13, 1983

TECHNETIUM Tc-99m SESTAMIBI KIT

INJECTABLE; INJECTION

CARDIOLITE

DUPONT

N/A

/pdpdkt/mfcdk/  
/N/A/

N19785 001  
DEC 21, 1990  
/N19785/001/  
/pdc/21/1990/

> DLT > /AP/  
> DLT >  
> ADD > AP  
> ADD >

VINBLASTINE SULFATE

INJECTABLE; INJECTION

VINBLASTINE SULFATE

/BULL/

/10MG/VIAL/

/N89565/001/  
/APR/18/1987/  
N89565 001  
AUG 18, 1987

> DLT > /AP/  
> DLT >  
> ADD > AP  
> ADD >

FAULDING

10MG/VIAL

THEOPHYLLINE

CAPSULE, EXTENDED RELEASE; ORAL

SLO-BID

RHONE POULENC RORER

100MG

N87892 001

> DLT > /AP/  
> DLT >  
> ADD > AP  
> ADD >

JAN 31, 1985

> DLT > /BULL/

N89540 001

> ADD > AP

MAY 10, 1989

> ADD >

N87893 001

FAULDING

JAN 31, 1985

10MG/ML

N87894 001

JAN 31, 1985

N40052 001

FEB 14, 1994

N40052 002

FEB 14, 1994

N40052 003

FEB 14, 1995

N40052 004

FEB 14, 1994

ELIXIR; ORAL

THEOPHYLLINE

3 CENCI

80MG/15ML

N87679 001

APR 15, 1982

/N87679/001/  
/APR/15/1982/

/LIFE/LABS/  
/80MG/15ML/

> ADD >

> ADD >

> DLT > /AA/

> DLT >

VERAPAMIL HYDROCHLORIDE

TABLET, EXTENDED RELEASE; ORAL

ISOPTIN SR

AB + KNOLL

180MG

N19152 002

DEC 15, 1989

VERAPAMIL HCL

BAKER NORTON

180MG

N74330 001

JAN 31, 1994

> ADD >

> ADD >

> DLT >

> DLT >

/N71484/001/  
/APR/19/1988/  
N71484 001  
APR 19, 1988

IBUPROFEN

TABLET; ORAL  
IBUPROFEN  
PRIVATE FORM

>\_ADD\_>  
>\_ADD\_>

200MG

N73691 001  
FEB 25, 1994

NAPROXEN SODIUM

TABLET; ORAL  
ALEVE  
HAMILTON PHARMS

EQ 200MG BASE

N20204 002  
JAN 11, 1994

DRUG PRODUCTS WITH APPROVAL UNDER SECTION 505 OF THE ACT ADMINISTERED BY THE CENTER FOR BIOLOGICS EVALUATION AND RESEARCH LIST  
CUMULATIVE SUPPLEMENT NUMBER 2 / FEB '94

NO FEBRUARY 1994 APPROVALS

**LIST OF ORPHAN PRODUCT DESIGNATIONS & APPROVALS**  
*[January-February, 1994]*

<b>NAME</b> <i>Generic/Chemical</i> <i>TN= Trade Name</i>	<b>INDICATION DESIGNATED</b>	<b>SPONSOR &amp; ADDRESS</b> <i>DD=Date Designated</i> <i>MA=Marketing Approval</i>
AMMONIUM TETRATHIOMOLYBDATE TN=	TREATMENT OF WILSON'S DISEASE.	BREWER, GEORGE J. M.D. UNIVERSITY OF MICHIGAN MEDICAL SCHOOL ANN ARBOR MI 48109-0618 DD 01/31/94 MA / /
ANTIVENIN, POLYVALENT CROTALID (OVINE) FAB TN= CROTAB	TREATMENT OF ENVENOMATIONS INFLICTED BY NORTH AMERICAN CROTALID SNAKES.	THERAPEUTIC ANTIBODIES INC. 1500 21ST AVENUE SOUTH, SUITE 310 NASHVILLE TN 37212 DD 01/12/94 MA / /
CHOLINE CHLORIDE TN=	TREATMENT OF CHOLINE DEFICIENCY, SPECIFICALLY THE CHOLINE DEFICIENCY, HEPATIC STEATOSIS, AND CHOLESTASIS, ASSOCIATED WITH LONG-TERM PARENTERAL NUTRITION.	BUCHMAN, ALAN M.D. 6550 FANNIN, SUITE 1122 HOUSTON TX 77030 DD 02/10/94 MA / /
FGN-1 TN=	FOR THE SUPPRESSION AND CONTROL OF COLONIC ADENOMATOUS POLYPS IN THE INHERITED DISEASE ADENOMATOUS POLYPOSIS COLI.	CELL PATHWAYS, INC. 1700 BROADWAY, SUITE 2000 DENVER CO 80290 DD 02/14/94 MA / /
RECOMBINANT HUMAN GELSOLIN TN=	TREATMENT OF THE RESPIRATORY SYMPTOMS OF CYSTIC FIBROSIS.	BIOGEN, INC. 14 CAMBRIDGE CENTER CAMBRIDGE MA 02124 DD 01/12/94 MA / /
REDUCED L-GLUTATHIONE TN= CACHEXON	TREATMENT OF AIDS-ASSOCIATED CACHEXIA.	TELLURIDE PHARMACEUTICAL CORPORATION 146 FLANDERS DRIVE HILLSBOROUGH NJ 08876-4656 DD 02/14/94 MA / /
TIZANIDINE HCL TN= ZANAFLEX	TREATMENT OF SPASTICITY ASSOCIATED WITH MULTIPLE SCLEROSIS AND SPINAL CORD INJURY.	ATHENA NEUROSCIENCES, INC. 800F GATEWAY BOULEVARD SOUTH SAN FRANCISCO CA 94080 DD 01/31/94 MA / /

**ORPHAN DRUG APPROVALS**

PEGASPARGASE TN= ONCASPAR	TREATMENT OF ACUTE LYMPHOCYTIC LEUKEMIA (ALL).	ENZON, INC. 40 KINGSBRIDGE ROAD PISCATAWAY NJ 08854-3998 DD 10/20/89 MA 02/01/94
------------------------------	--	---

DRUG PRODUCTS WHICH MUST DEMONSTRATE *IN VIVO* BIOAVAILABILITY ONLY  
IF PRODUCT FAILS TO ACHIEVE ADEQUATE DISSOLUTION

---

NO FEBRUARY 1994 ADDITIONS

## BIOPHARMACEUTIC GUIDANCE AVAILABILITY

DRUG NAME (DOSAGE FORM)	DATE	REVISED DATE
-------------------------	------	--------------

THE FOLLOWING IS A LIST OF GUIDANCES AVAILABLE FOR *IN VIVO* BIOEQUIVALENCE STUDIES AND *IN VITRO* DISSOLUTION TESTING. COMMENTS AND SUGGESTIONS CONCERNING THESE GUIDANCES ARE ENCOURAGED AND SHOULD BE SENT TO THE DIVISION OF BIOEQUIVALENCE (HFD-650, MPN-2 ROOM 279) 5600 FISHERS LANE, ROCKVILLE, MD 20857.

REFER BACK TO THE APPROVED DRUG PRODUCTS WITH THERAPEUTIC EQUIVALENCE EVALUATIONS, 13TH EDITION FOR A FULL LISTING OF BIOPHARMACEUTIC GUIDANCE AVAILABILITY DATA. ONLY NEW DATA WILL BE ADDED TO THE CUMULATIVE SUPPLEMENT.

ALBUTEROL (METERED DOSE INHALER - *IN VIVO*)

JAN 27, 1994

## ANDA SUITABILITY PETITIONS

## PETITIONS APPROVED

DRUG NAME DOSAGE FORM; ROUTE	STRENGTH (CONTAINER SIZE)	DOCKET NUMBER	PETITIONER	REASON FOR PETITION	STATUS
---------------------------------	------------------------------	---------------	------------	------------------------	--------

THE FOLLOWING ARE TWO LISTS OF PETITIONS FILED UNDER SECTION 505(j)(2)(C) OF THE ACT WHERE THE AGENCY HAS DETERMINED THAT THE REFERENCED PRODUCT: (1) IS SUITABLE FOR SUBMISSION AS AN ANDA (PETITIONS APPROVED) OR (2) IS NOT SUITABLE FOR SUBMISSION AS AN ANDA (PETITIONS DENIED). THE DETERMINATION THAT AN ANDA WILL BE APPROVED IS NOT MADE UNTIL THE ANDA ITSELF IS SUBMITTED AND REVIEWED BY THE AGENCY. A COPY OF EACH PETITION IS LISTED BY DOCKET NUMBER ON PUBLIC DISPLAY IN FDA'S DOCKETS MANAGEMENT BRANCH, HFA-305, ROOM 4-62, 5600 FISHERS LANE, ROCKVILLE, MD 20857.

REFER BACK TO THE APPROVED DRUG PRODUCTS WITH THERAPEUTIC EQUIVALENCE EVALUATIONS, 13TH EDITION FOR A FULL LISTING OF ANDA SUITABILITY PETITIONS DATA. ONLY NEW DATA WILL BE ADDED TO THE CUMULATIVE SUPPLEMENT.

ACYCLOVIR TABLET; ORAL	200MG	93 P-0339/ CP1	NOVOPHARM	NEW DOSAGE FORM	APPROVED FEB 08, 1994
LOPERAMIDE HYDROCHLORIDE TABLET, EFFERVESCENT; ORAL	1MG	93 P-0332/ CP1	ELLIS PHARM CONSULTING	NEW DOSAGE FORM	APPROVED FEB 08, 1994
PSEUDOEPHEDRINE HYDROCHLORIDE; TERFENADINE CAPSULE, EXTENDED RELEASE; ORAL	120MG 60MG	93 P-0367/ CP1	EURAND AMERICA	NEW DOSAGE FORM	APPROVED FEB 08, 1994

**EXCLUSIVITY TERMS**

DUE TO SPACE LIMITATIONS IN THE EXCLUSIVITY COLUMN, ABBREVIATIONS AND REFERENCES HAVE BEEN DEVELOPED. PLEASE REFER BACK TO THE APPROVED DRUG PRODUCTS WITH THERAPEUTIC EQUIVALENCE EVALUATIONS, 14TH EDITION FOR A FULL LISTING OF EXCLUSIVITY TERMS (ABBREVIATIONS, NEW DOSING SCHEDULE, NEW INDICATIONS AND PATENT USE CODES). ONLY NEW CODES WILL BE ADDED TO THE CUMULATIVE SUPPLEMENT.

**REFERENCES**  
*NEW DOSING SCHEDULE*

D-21 ALTERNATIVE DOSAGE OF 300MG ONCE DAILY AFTER THE EVENING MEAL

**REFERENCES**  
*NEW INDICATION*

I-99 PEDIATRIC ANESTHESIA IN CHILDREN 3 YEARS AND OLDER  
I-100 TO DECREASE THE INCIDENCE OF CANDIDIASIS IN PATIENTS UNDERGOING BONE MARROW TRANSPLANTATION WHO RECEIVE CYTOTOXIC CHEMOTHERAPY AND/OR RADIATION THERAPY  
I-101 TREATMENT OF DIABETIC NEPHROPATHY IN PATIENTS WITH TYPE I INSULIN-DEPENDENT DIABETES MELLITUS AND RETINOPATHY  
I-102 TREATMENT OF OBSESSIVE-COMPULSIVE DISORDER  
I-103 PROPHYLAXIS AGAINST PNEUMOCYSTIS CARINII PNEUMONIA IN INDIVIDUALS WHO ARE IMMUNOCOMPROMISED AND CONSIDERED TO BE AT RISK OF DEVELOPING PNEUMOCYSTIS CARINII PNEUMONIA

**REFERENCES**  
*PATENT USE CODE*

U-91 ALTERNATIVE THERAPY TO TRIMETHOPRIM-SULFAMETHOXAZOLE FOR TREATMENT OF MODERATE-TO-SEVERE PNEUMOCYSTIS CARINII PNEUMONIA IN IMMUNOCOMPROMISED AND AIDS PATIENTS

PRESCRIPTION AND OTC DRUG PRODUCT  
PATENT AND EXCLUSIVITY DATA

APPL/PROD NUMBER	INGREDIENT NAME; TRADE NAME	PATENT NUMBER	PATENT EXPIRES	USE CODE	EXCLUS CODE	EXCLUS EXPIRES
>ADD>	18700 001 AMRINONE LACTATE; INOCOR	4072746	JUL 31, 1998	U-7	NCE	JUL 31, 1994
>DLT>	18700 004 <del>AMRINONE LACTATE; INOCOR</del>	4072746	APR 23, 1998	U-7	NCE	JUL 31, 1994
>ADD>	20304 001 APROTININ BOVINE; TRASYLOL				NCE	DEC 29, 2000
>ADD>	20233 001 BUDESONIDE; RHINOCORT				NCE	FEB 14, 1999
	18343 001 CAPTOPRIL; CAPOTEN				1-101	JAN 28, 1997
	18343 002 CAPTOPRIL; CAPOTEN				1-101	JAN 28, 1997
	18343 003 CAPTOPRIL; CAPOTEN				1-101	JAN 28, 1997
	18343 005 CAPTOPRIL; CAPOTEN				1-101	JAN 28, 1997
>ADD>	20249 001 FAMOTIDINE; PEPICID	4283408	AUG 11, 2000		1-69	DEC 10, 1994
	19304 001 FENOFIBRATE; LIPIDIL	4058552	NOV 15, 1994		NCE	DEC 31, 1998
	19949 001 FLUCONAZOLE; DIFLUCAN	4416682	NOV 22, 2000		1-100	DEC 30, 1996
	19949 002 FLUCONAZOLE; DIFLUCAN	4416682	NOV 22, 2000		1-100	DEC 30, 1996
	19949 003 FLUCONAZOLE; DIFLUCAN	4416682	NOV 22, 2000		1-100	DEC 30, 1996
	19950 001 FLUCONAZOLE; DIFLUCAN	4416682	NOV 22, 2000		1-100	DEC 30, 1996
>ADD>	18936 001 FLUOXETINE HYDROCHLORIDE; PROZAC	4018895	APR 19, 1994	U-12	1-100	DEC 30, 1996
>ADD>	18936 006 FLUOXETINE HYDROCHLORIDE; PROZAC	4314081	FEB 02, 2001		1-102	FEB 28, 1997
>ADD>	20101 001 FLUOXETINE HYDROCHLORIDE; PROZAC	4314081	FEB 02, 2001		1-102	FEB 28, 1997
>ADD>	19778 003 HYDROCHLOROTHIAZIDE; PRINZIDE 10-12.5	4472380	SEP 18, 2001		1-102	FEB 28, 1997
>ADD>	19888 001 HYDROCHLOROTHIAZIDE; ZESTORETIC 20-12.5	4374829	DEC 30, 2001	U-3	NS	NOV 18, 1996
>ADD>	19888 002 HYDROCHLOROTHIAZIDE; ZESTORETIC 20-25	4472380	SEP 18, 2001			
>ADD>	19888 003 HYDROCHLOROTHIAZIDE; ZESTORETIC 10-12.5	4374829	DEC 30, 2001	U-3		
>ADD>	20219 001 LEVOCABASTINE HYDROCHLORIDE; LIVOSTIN	4472380	SEP 18, 2001			
>ADD>	20264 001 MEGESTROL ACETATE; MEGACE	4374829	DEC 30, 2001	U-3		
>ADD>	20184 001 PERINDOPRIL ERBUMINE; ACEON	4374829	DEC 30, 2001	U-3		
>ADD>	20184 002 PERINDOPRIL ERBUMINE; ACEON	4374829	DEC 30, 2001	U-3		
>ADD>	20184 003 PERINDOPRIL ERBUMINE; ACEON	4472380	SEP 18, 2001		NS	NOV 18, 1996
>ADD>	20279 001 PREDNICARBATE; DERMATOP	4374829	DEC 30, 2001	U-3		
	19627 001 PROPOFOL; DIPRIVAN	4369184	JAN 18, 2000			
>ADD>	18703 001 RANITIDINE HYDROCHLORIDE; ZANTAC 150	4508729	APR 02, 2002		NCE	NOV 10, 1998
>ADD>	18703 002 RANITIDINE HYDROCHLORIDE; ZANTAC 300	4508729	APR 02, 2002		NDF	SEP 10, 1997
>ADD>	19675 001 RANITIDINE HYDROCHLORIDE; ZANTAC	4508729	APR 02, 2002		NCE	DEC 30, 1998
>ADD>	20236 001 SALMETEROL XINAFOATE; SEREVENT	4508729	APR 02, 2002		NCE	DEC 30, 1998
>ADD>	17376 001 SULFAMETHOXAZOLE; SEPTRA				NDF	OCT 29, 1996
>ADD>	17376 002 SULFAMETHOXAZOLE; SEPTRA DS				1-99	OCT 26, 1996

PRESCRIPTION AND OTC DRUG PRODUCT  
PATENT AND EXCLUSIVITY DATA

APPL/PROD NUMBER	INGREDIENT NAME; TRADE NAME	PATENT NUMBER	PATENT EXPIRES	USE CODE	EXCLUS CODE	EXCLUS EXPIRES
>ADD>	17377 001 SULFAMETHOXAZOLE; BACTRIM				1-103	JAN 07, 1997
>ADD>	17377 002 SULFAMETHOXAZOLE; BACTRIM DS				1-103	JAN 07, 1997
>ADD>	17598 001 SULFAMETHOXAZOLE; SEPTRA				1-103	JAN 07, 1997
>ADD>	17598 002 SULFAMETHOXAZOLE; SEPTRA GRAPE				1-103	JAN 07, 1997
>ADD>	17560 002 SULFAMETHOXAZOLE; BACTRIM PEDIATRIC				1-103	JAN 07, 1997
>ADD>	20284 001 SULFAMETHOXAZOLE; SEPTRA	4209513	JUN 24, 1997			
>ADD>	20284 002 SULFAMETHOXAZOLE; SEPTRA	4209513	JUN 24, 1997			
>ADD>	20330 001 TIMOLOL MALEATE; TIMOPTIC-XE	4861760	AUG 29, 2006		NP	NOV 04, 1996
>ADD>	20330 002 TIMOLOL MALEATE; TIMOPTIC-XE	4195085	MAR 25, 1997			
>ADD>	20326 001 TRIMETREXATE GLUCURONATE; NEUTREXIN	4861760	AUG 29, 2006		NP	NOV 04, 1996
>ADD>	20326-001 TRIMETREXATE-GLUCURONATE; NEUTREXIN	4195085	MAR 25, 1997		ODE	DEC 17, 2000
>DLT>		4694007	SEP 15, 2004	U-91	ODE	DEC 17, 2000