



# Micromedex

## NeoFax® / Pediatrics

### 新生兒及兒童用藥



碩睿資訊有限公司  
Shou Ray Information Service Co., Ltd.



# Introduction

- + 新生兒和兒童的藥動學，與成人不同；對各類藥品適應症不盡相同，或須依兒童的成長調整準確、有效且安全的劑量。
- + 據估計，在新生兒加護病房 ( NICU ) 有 45%-65% 的藥物為 off-label ( 適應症外 ) 使用，也因此新生兒發生「可預防之不良藥物事件」和「用藥錯誤」的風險較高。

## NeoFax® and Pediatrics

旨在利用完整的新生兒/兒童藥物資訊、計算和管理藥物的工具，使臨床醫事人員得以安全且有效地為新生兒/兒童開立處方，來提高治療效果和效率，同時盡可能地減少用藥錯誤風險，維護脆弱的新生兒/兒童族群的用藥安全。



# Drug Monographs

## 嬰幼兒藥物專欄



# Drug Monographs

Merative Micromedex®

我的訂閱 | 開道 | Training Center | 說明 | 下載中心 | 登出

Keyword search



主頁 藥物相互作用 IV 相容性 藥物鑑定 藥物比較 CareNotes NeoFax® / Pediatrics Tox 和藥物產品查找 RED BOOK 計算器

Drug Monographs

Enteral Formulas

Dosing Calculators

What's New

## Drug Monographs

切換新生兒/兒童類別，會有不同的藥物選單

Drug

Neonatal

Pediatric

Find a Neonatal drug

- 5-FC
- Abelcet
- Acetadote
- Acetaminophen
- Acetate
- AcetaZOLAMIDE
- Acetylcysteine
- ActHIB
- Actigall
- Actiq

Drug

Neonatal

Pediatric

Find a Pediatric drug

- 5-FC
- Abacavir
- Abacavir/Dolutegravir/Lamivudine
- Abacavir/Lamivudine
- Abametapir
- Abatacept
- Abciximab
- Abelcet
- Abilify
- Abilify Discmelt

Feedback

Micromedex Assistant



# Drug Monographs



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Keyword search



主頁

藥物  
相互作用

IV 相容性

藥物  
鑑定

藥物  
比較

CareNotes

NeoFax® /  
Pediatrics

Tox 和藥物  
產品查找

RED BOOK

計算器

處方集

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## Vancomycin

Neonatal

Pediatric

在藥品頁面，仍可切換新生兒／兒童類別

Drug

Find a Neonatal drug



### Dosing/ Administration

Dose

Uses

Administration

### Medication Safety

Contraindications/  
Precautions

Adverse Effects

Solution Compatibility

Terminal Injection Site  
Compatibility

Terminal Injection Site  
Incompatibility

Monitoring

### Mechanism Of Action/ Pharmacokinetics

Pharmacology

### Dosing/ Administration

#### Dose

**Initial dose:** 10 to 15 mg/kg/dose IV every 6 to 18 hours.

檢視完整文件

列印

Feedback

#### Initial Dose Intervals

PMA†	Postnatal Age†	Interval
29 weeks or less	0 to 14 days older than 14 days	18 hours 12 hours
30 to 36 weeks	0 to 14 days older than 14 days	12 hours 8 hours
37 to 44 weeks	0 to 7 days older than 7 days	12 hours 8 hours
45 weeks or more	ALL	6 hours

† Postmenstrual age (PMA) is gestational age plus postnatal age.

PMA is the primary determinant of dosing interval with postnatal age as the secondary qualifier.

Renal function and drug elimination are strongly correlated with postmenstrual age.

**Serious MRSA infections:** 10 to 20 mg/kg IV every 8 to 48 hours depending on postmenstrual age, weight, and serum creatinine; adjust dose to achieve desired AUC/MIC ratio. **MAX dose, 3600 mg/day.** children do not require doses higher than 3000 mg/day [1].

**Anthrax** (as part of combination therapy) [2][3].

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# Drug Monographs



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主頁	藥物 相互作用	IV 相容性	藥物 鑑定	藥物 比較	CareNotes	NeoFax® / Pediatrics	Tox 和藥物 產品查找	RED BOOK	計算器	處方集
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Drug Monographs

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## Vancomycin

Neonatal Pediatric

可利用右上方搜尋框，直接搜尋其他藥品。

Dosing/ Administration

Dose

Uses

Administration

Medication Safety

Contraindications/  
Precautions

Adverse Effects

Solution Compatibility

Terminal Injection Site  
Compatibility

Terminal Injection Site  
Incompatibility

Monitoring

Mechanism Of Action/  
Pharmacokinetics

Pharmacology

Drug

dop

DOPamine



檢視完整文件

列印

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Dosing/ Administration

Dose

Initial dose: 10 to 15 mg/kg/dose IV every 6 to 18 hours.

Initial Dose Intervals

PMA†	Postnatal Age†	Interval
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**Anthrax** (as part of combination therapy) [2][3].

22 weeks or more gestational age

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# Enteral Formula Comparison

## 腸道配方比較



# Enteral Formula Comparison



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Keyword search



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Drug Monographs Enteral Formulas Dosing Calculators What's New

## Enteral Formula Comparison

Neonatal Pediatric

Select the required population type, display format, choose a formula and select the **>** button. Select the **<** button to remove it.

Display Format:  Per 100 Cal  Per Liter  Per Both

Enter search term: ger

Formulas Available: (3)

- Gerber® Good Start® GentlePro (HMO)
- Gerber® Good Start® SoothePro
- Gerber® Good Start® Soy

Formulas Selected: (Maximum of 3 formulas can be selected)

- Gerber® Good Start® GentlePro (HMO)

> <

Clear Product Notes Display

1. 選擇度量衡  
2. 輸入腸道營養配方名稱

Product Notes - MICROMEDEX - Google Chrome

about:blank

### Product Notes

**Gerber® Good Start® GentlePro (HMO)**

Gerber® Good Start® GentlePpro (HMO)

20 Cal/fl oz  
Available as powder, concentrate, and ready-to-feed

\* Iron supplementation should be considered for preterm infants.

† Protein Source: 100% whey partially hydrolyzed

†† Fat Source:palm olein oil, soy oil, coconut oil, high oleic safflower or sunflower oil, single cell oil

§ Carbohydrate Source:corn maltodextrin, lactose

Micromedex Assistant

# Enteral Formula Comparison



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主頁	藥物 相互作用	IV 相容性	藥物 鑑定	藥物 比較	CareNotes	NeoFax® / Pediatrics	Tox 和藥物 產品查找	R
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Drug Monographs

Enteral Formulas

Dosing Calculators

## Enteral Formula Comparison

Neonatal    Pediatric

Select the required population type, display format, choose a formula and select the button. Select the button to remove items.

Display Format:  Per 100 Cal  Per Liter  Per Both

Enter search term:

ger

Formulas Available: (3)

Gerber® Good Start® GentlePro (HMO)

Gerber® Good Start® SoothePro

Gerber® Good Start® Soy

Formulas Selected: (Maximum of 3 formulas can be selected)

Gerber® Good Start® GentlePro (HMO)

Gerber® Good Start® Soy

Clear

Product Notes

Display

最多可比較三項產品

Nutrient	Gerber® Good Start® GentlePro (HMO)		Gerber® Good Start® Soy	
	Per 100 cal	Per Liter	Per 100 cal	Per Liter
Energy, Cal	100	676	100	676
Volume, mL	148	1000	148	1000
Protein, g	2.2	14.9	2.5	16.9
% of total calories †	9	9	10	10
Fat, g	5.1	34.5	5.1	34.5
% of total calories ‡	46	46	46	46
Linoleic acid, mg	900	6087	920	6223
Carbohydrate, g	11.2	75.8	11.1	75.1
% of total calories §	46	46	44	44
Water, g	133	900	134	906
Minerals				
Calcium, mg (mEq)	67 (3.4)	453 (22.7)	105 (5.3)	710 (35.5)
Phosphorus, mg (mEq)	38 (1.2)	257 (8.3)	63 (2)	426 (13.7)
Magnesium, mg	7	47	11	74
Iron, mg	1.5*	10*	1.8	12
Zinc, mg	0.8	5.4	0.9	6.1
Manganese, mcg	15	101	25	169
Copper, mcg	80	541	80	541
Molybdenum, mcg	-	-	-	-
Iodine, mcg	12	81	15	101
Selenium, mcg	3	20	3	20
Sodium, mg (mEq)	27 (1.2)	183 (8)	40 (1.7)	271 (11.8)
Potassium, mg (mEq)	108 (2.8)	730 (18.7)	116 (3)	785 (20.1)
Chloride, mg (mEq)	65 (1.8)	440 (12.4)	70 (2)	480 (13.5)
Vitamins				
Vitamin A, IU	300	2029	300	2029
Vitamin D, IU	75	507	60	406
Vitamin E, IU	2	14	3	20
Vitamin K, mcg	8	54	0	61

Feedback



# Dosing Calculators

## 劑量計算機



# Dosing Calculators

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Keyword search



主頁 藥物相互作用 IV 相容性 藥物鑑定 藥物比較 CareNotes NeoFax® / Pediatrics

Tox 和藥物產品查找 RED BOOK 計算器 處方集

Drug Monographs

Enteral Formulas

Dosing Calculators

What's New

## Dosing Calculators - Patient Information

Birthdate: (MM/DD/YYYY)

MM/DD/YYYY

<<	Aug	>>	2023	X		
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5		
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Population Type:

Pediatric

Age

Today

Current Weight:

kg

Proceed to Calculator

## Step1.輸入病患基本資料

Feedback



# Dosing Calculators

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## Dosing Calculators - Calculator

Pediatric

### Drug Selection

Alpha Filter:

ceft

Ceftaroline Fosamil  
CefTAZidime  
Ceftolozane/Tazobactam  
CefTRIAXone

Drug:

### Step2. 選擇欲查詢藥品

1 Month

3.2 kg

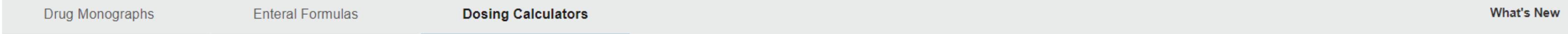
### Help Information

- Enter the first few letters of the drug's name.
- Select the drug to display.



# Dosing Calculators

Keyword search



## CefTRIAZone

**Drug Use:**

- Acute bacterial sinusitis; Initial oral not feasible
- Acute bacterial sinusitis; Severe
- Acute otitis media (1-day regimen)
- Acute otitis media (3-day regimen)
- Bacterial meningitis, once-daily
- Bacterial meningitis, twice-daily
- Gonorrhea, complicated (45 kg or less)

**Drug Route:**

- IM
- IV

Pediatrics		Ordered	
Dose	50 mg/kg/dose	Dose	50 mg/kg/dose
Interval	Single dose	Interval	1 dose
Admin. over	IV infusion over 30 minutes	Admin. over	30 minutes
Conc.	10 to 40 mg/mL	Conc.	40 mg/mL
		Dose amount	160 mg/dose
		Dose volume	4 mL/dose
		Delivery rate	8 mL/hour

1 Month 3.2 kg



### Calculator Notes

If patient >11 years, may give by IV push (100 mg/mL) over 2 to 4 minutes.  
Follow with oral therapy in 24 hours, if possible.

**Step3.選擇欲使用藥物及途徑**

**Step4.進行計算**

Change Drug

Reset Form

Calculate

Print

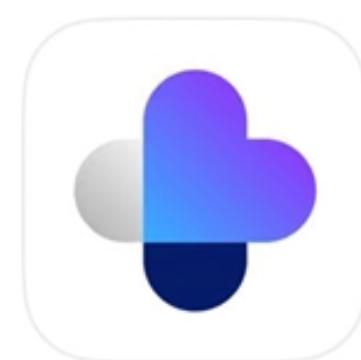
Drug Monograph

Comments



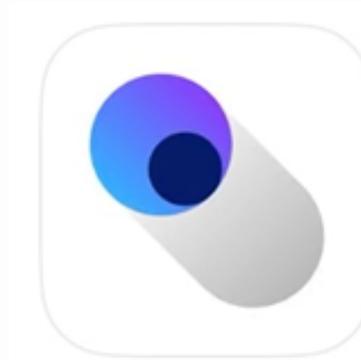


# APP Download



**Micromedex NeoFax  
Reference**

Merative



**Micromedex Pediatric  
Reference**

Merative



# 取得APP密碼

Step1.點擊右上角下載中心

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Keyword search |



主頁 藥物相互作用 IV 相容性 藥物鑑定 藥物比較 CareNotes NeoFax® / Pediatrics Tox 和藥物產品查找 RED BOOK 計算器 處方集

## Merative mobileMicromedex®

Put the power of Micromedex on your mobile device

Step2.點擊Mobile Apps下拉選單

- ↓ Micromedex Native Mobile Apps (Offline access, included with content subscription)
- ↓ Micromedex Assistant for Mobile Browsers (Online Conversational Search, subscription required)
- ↓ Merative Micromedex Assistant (Remote online access to enterprise subscription)

Contact us for any Comments/Suggestions to MICROMEDEX



主頁	藥物 相互作用	IV 相容性	藥物 鑑定	藥物 比較	CareNotes	NeoFax® / Pediatrics	Tox 和藥物 產品查找	RED BOOK	計算器	處方集
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## Micromedex® NeoFax Reference

- The **Micromedex NeoFax** app for Apple and Android devices is included with Merative Micromedex Neofax content subscription.
- You can access these apps via the App Store (Apple devices), or Google Play® (Android devices).
- For users who are not current NeoFax customers, the app will be available for a fee.
- You can activate the app by following the simple instructions below.



Simple instructions for installation:

**Step 1:** Visit the App Store from your device and search Micromedex NeoFax.

**Step 2:** From the App, select download / install the application. You may be prompted to enter your Apple or Google ID.

**Step 3:** The app will download to your app library, or directly to your device.

**Step 4:** Open the app. Enter the password  to begin using **Micromedex NeoFax Reference**. The password is case-sensitive. Please enter it exactly as it appears here.



**Step3.App密碼在此**



## Micromedex® Pediatrics Reference

- The **Micromedex Pediatrics Reference** app for Apple and Android devices is included with Merative Micromedex Pediatrics content subscription.
- You can access these apps via the App Store (Apple devices), or Google Play® (Android devices).
- For users who are not current Pediatrics customers, the app will be available for a fee.



Pediatric Reference  
Drug Monographs (i)

Enter the drug name here Cancel

Drug	Category
5-FC (Flucytosine)	>
Abacavir	>
Abacavir/Dolutegravir/Lamivudine	>
Abacavir/Lamivudine	>
Abametapir	>
Abatacept	>
Abciximab	>
Abelcet (Amphotericin B Lipid Complex)	>
Abilify (ARIPIPRAZOLE)	>
Abilify Discmelt (ARIPIPRAZOLE)	>
AbobotulinumtoxinA	>
Abrilada (Adalimumab-afzb)	>
Accolate (Zafirlukast)	>
Accupril (Quinapril)	>

 Drug       Enteral Formulas

Pediatric Reference  
Drug Monographs (i)

Enter the drug name here Cancel

Drug	Category
Antimicrobials	>
Biologics	>
Cardiovascular Drugs	>
CNS	>
Diuretics	>
GI Drugs	>
Miscellaneous Drugs	>
Nutritionals	>
Respiratory Drugs	>
Vitamins/Minerals	>

 Drug       Enteral Formulas

Pediatric Reference  
Enteral Formulas (i)

Enter formula name here Cancel

BCAD 1	>
BCAD 2	>
Calcilo XD®	>
Cyclinex®-1	>
Cyclinex®-2	>
EleCare® for Infants	>
EleCare® Jr	>
Enfamil® 24	>
Enfamil® A.R.®	>
Enfamil® EnfaCare®	>
Enfamil® EnfaCare® Powder in Breast Milk	>
Enfamil® Gentlelease®	>
Enfamil® Infant	>
Enfamil® Premature 20	>
Enfamil® Premature 24 Cal	>

 Drug       Enteral Formulas

# Pediatric APP

**NeoFax Reference**  
Drug Monographs 

Enter the drug name here 

Drug	Category
5-FC (Flucytosine)	
Abacavir	
Abelcet (Amphotericin B Lipid Complex)	
Acetadote (Acetylcysteine)	 <small>A B C D E F G H I J K L M N O P Q R S T U V W X Z</small>
Acetaminophen	
Acetate (Electrolytes/Minerals)	
AcetaZOLAMIDE	
Acetylcysteine	
ActHIB (Haemophilus b (Hib) Conjugate...)	 <small>Q R S T U V</small>
Actigall (Ursodiol)	 <small>T U V W X Z</small>
Actiq (FentaNYL)	
Activase (Alteplase)	
Acyclovir	
Adagen (Pegademase Bovine)	

 Drug  Enteral Formulas

**NeoFax Reference**  
Drug Monographs 

Enter the drug name here 

Drug	Category
Antimicrobials	
Biologicals	
Cardiovascular Drugs	
CNS	
Diuretics	
GI Drugs	
Miscellaneous Drugs	
Nutritionals	
Respiratory Drugs	
Vitamins/Minerals	

 Drug  Enteral Formulas

**NeoFax Reference**  
Enteral Formulas 

Enter formula name here 

EleCare® for Infants	
Enfamil® 24	
Enfamil® A.R.®	
Enfamil® EnfaCare®	
Enfamil® EnfaCare® Powder in Breast Milk	
Enfamil® Gentlelease®	
Enfamil® Infant	 <small>E G N P S T</small>
Enfamil® Premature 20	
Enfamil® Premature 24 Cal	
Enfamil® Premature 24 Cal HP	
Enfamil® Premature 30	
Enfamil® ProSobee®	
Enfamil® Reguline™	
Gerber® Good Start® GentlePro (HMO)	
Gerber® Good Start® SoothePro	

 Drug  Enteral Formulas

# NeoFax® APP



**NEOFAX® & PEDIATRICS**

**Thank's For  
Watching**

**Connect with us.**



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