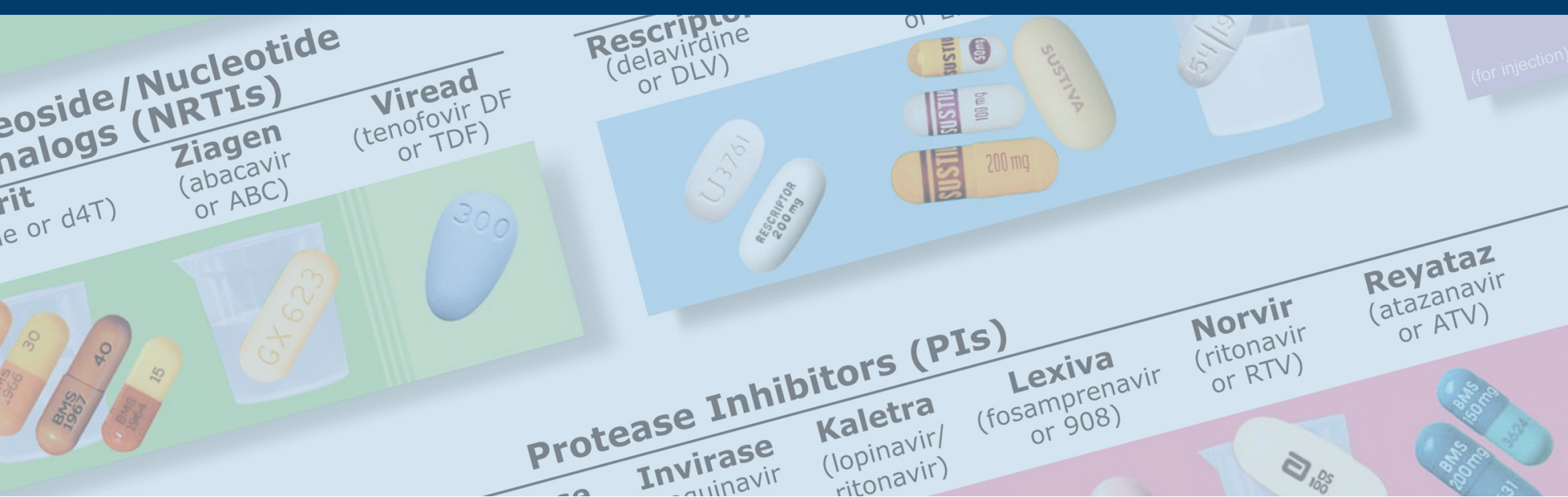




LOGISTICS FACT SHEETS:

ARV DRUGS



JULY 2008

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LOGISTICS FACT SHEETS:

ARV DRUGS

USAID | DELIVER PROJECT, Task Order 1

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Abstract

The antiretroviral (ARV) fact sheets include information critical for informing supply chain management functions for 18 ARV drugs; they can be used at all levels of the health system.

The sheets list all FDA-approved and WHO-prequalified versions of the drug, including the manufacturer, strength/form, packaging/shipping information, shelf life, recommended storage conditions, price, and dosage information.

Cover photo: Used by permission of the Massachusetts HIV Drug Assistance Program/AIDS Bureau of the Massachusetts Department of Public Health.

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ABACAVIR SULPHATE (ABC)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Ziagen (WHO prequalified) (FDA approved)	GlaxoSmithKline Research Triangle Park, NC 27709 Tel: 1-888-825-5249 www.gsk.com	300 mg tablets	60 tablets per bottle 60 blister packs Each pack contains blister cards of 10 tablets each.	3 years	Store at room temperature of 20–25°C .	\$0.600 per tablet \$438 per patient per year
		20 mg/mL oral solution	Bottles of 240 mL	2 years; discard 2 months after opening	Store at room temperature of 20°C to 25°C. May be refrigerated. Do not freeze.	\$0.063 per mL \$229 per patient per year
Generic Products						
Aurobindo PEPFAR qualified. (Tentatively approved 17 May 2006 for tablets and 27 June 06 for oral solution.)	Aurobindo Pharma Ltd. Registered & Corporate Office Plot # 2, Maitri Vihar, Ameerpet, Hyderabad – 500 038, Andhra Pradesh, India. Phone: +91 (40) ... Fax: +91(40) 2374 1080 / 2374 6883 Email : info@aurobindo.com	300 mg tablets	60 tablets per bottle Blister 10 PVC/plain aluminum foil	24 months	Store below 25°C.	\$0.542 per tablet \$395 per patient per year
		20 mg/mL oral solution	Bottles of 240 mL	24 months	Store below 25°C.	\$0.085 per mL \$310 per patient per year
Cipla PEPFAR qualified. (Tentatively approved 6 November 2006.)	Cipla Ltd. Mumbai Central Mumbai 400 –8 India (Bangalore site approved by U.S. FDA for bulk drugs.)	600 mg tablets (Abamune)	60 tablets per bottle pack 96 packs per shipper Box dimensions: 475 x 375 x 230 mm	24 months	Store at 20–25°C.	\$0.550 per tablet \$402 per patient per year
		300 mg tablets	60 tablets per bottle pack 96 packs per shipper Box dimensions: 475 x 375 x 230 mm	24 months	Store at 20–25°C.	\$0.625 per tablet \$456 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Matrix Laboratories, Inc. PEPFAR qualified. (Tentatively approved 5 April 2007.)	Corporate Office: Matrix Laboratories Limited 1-1-151/1, 4th Floor Sai Ram Towers Alexander Road Secunderabad – 500 003 Phone: +91-40-27700363 +91-40-66327722 Fax : +91-40-27700343 Email: matrix@matrixlabsindia.com All facilities are USFDA approved.	300 mg	60 tablets per bottle Blister packs, 10's	24 months	Store below 30°C.	\$0.602 per tablet \$439 per person per year

<p>World Health Organization recommended second line regimens using this ARV:</p> <p>Adults: ABC + NVP or EFV + PI/r*** ABC + ddI or TDF+ PI/r***</p> <p>Children: ABC + ddI + PI/r</p> <p>***PI/r = ATV/r, FPV/r, IDV/r, LPV/r and SQV/r</p>	<p>Adult Daily Dosage:</p> <p>600 mg daily or 300 mg twice daily</p>	<p>Pediatric Daily Dosage:</p> <p>8 mg/kg twice daily (up to maximum of 300 mg twice daily) for adolescent and pediatric patients of 3 months to 16 years of age</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

ABACAVIR/LAMIVUDINE (ABC/3TC)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Epzicom® (WHO prequalified) (FDA approved)	GlaxoSmithKline Research Triangle Park, NC 27709 Tel: 1-888-825-5249 www.gsk.com Lamivudine is manufactured under agreement from Shire Pharmaceutical Group plc, Basingstoke, UK	Tablet containing: abacavir sulfate 600 mg tablets lamivudine 300 mg tablets	30 tablets per bottle		Store at 25°C (77°F); excursions permitted to 15°– 30°C (59°–86°F).	\$1.858 per tablet \$678 per patient per year

<p>World Health Organization recommended first line regimens using this ARV:</p> <p>Adults: ABC/3TC + NVP or EFV</p> <p>Alternate regimen ABC/3TC + AZT or d4T</p>	<p>Adult Daily Dosage: 1 tablet daily</p>	<p>Pediatric Daily Dosage:</p>
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** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

ABACAVIR/LAMIVUDINE/ZIDOVUDINE (ABC/3TC/ZDV)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Trizivir® (WHO prequalified) (FDA approved)	GlaxoSmithKline Ware Hertfordshire, UK Stockley Park West, Uxbridge, Middlesex, UB11 1BT United Kingdom General Enquiries: Tel: +44 20 8990 9000 Fax: +44 20 8990 4321 www.gsk.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine 300 mg abacavir	60 tablets per HDPE bottle	24 months	Store at 25°C (77°F). Excursions to 15–30°C (59– 86°F) permitted.	\$0.895 per tablet \$653 per patient per year
Generic Products						
Aurobindo PEPFAR qualified. (Tentatively approved 26 July 2006.)	Aurobindo Pharma Ltd. Registered & Corporate Office Plot # 2, Maitri Vihar, Ameerpet, Hyderabad – 500 038, Andhra Pradesh, India. Phone: +91 (40) ... Fax: +91(40) 2374 1080 / 2374 6883 Email : info@aurobindo.com	Co-pack containing: 150 mg lamivudine 300 mg zidovudine With 300 mg abacavir	60 + 60 tablets Contains blister card 10 + 10 PVC/PVdC/aluminum foil	24 months	Store below 25°C.	1.417 per tablet \$517 per patient per year

World Health Organization recommended first line regimens using this ARV:

This FDC is recommended as an alternate regimen when a triple NRTI approach because an NNRTI cannot be used.

Adults: ABC + 3TC + ZDV

Adult Daily Dosage: 1 tablet twice daily. Do not administer to adolescents who weigh less than 40 kg.

Pediatric Daily Dosage: This FDC is not recommended for pediatric patients.

DIDANOSINE (ddI)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**	
Originator Product							
Videx/ Videx EC® (WHO prequalified) (FDA approved) Manufacturer note: Production of 100 mg, 150 mg, and 200 mg Videx DDI tablets will continue for ACCESS countries for the next 9 to 12 months.	Bristol-Myers Squibb 3 Rue Joseph Monier BP 325, 92506 Reil-Malmaison Cedex France Tel : +33 1 58 83 60 00 Fax : +33 1 58 83 6565 94 www.bms.com	125 mg delayed-release capsule	30 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at 25°C (77°F). Excursions to 15–30°C (59–86°F) permitted.		
		200 mg delayed-release capsule	30 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at 25°C (77°F). Excursions to 15–30°C (59–86°F) permitted.		
		250 mg delayed-release capsule	30 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at 25°C (77°F). Excursions to 15–30°C (59–86°F) permitted.	\$0.677 per capsule \$247 per patient per year	
		400 mg delayed-release capsule	30 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at 25°C (77°F). Excursions to 15–30°C (59–86°F) permitted.	\$0.874 per capsule \$319 per patient per year	
	Bristol-Myers Squibb PO Box 4500 Princeton, NJ 08543-4500	2 g powder	4 ounce bottles			Store between 15–30°C.	\$3.15 per gram \$138 per patient per year
		25 mg chewable tablet	60 tablets per HDPE bottle		2 years	Store between 15–30°C.	\$0.235 per tablet \$429 per patient per year
		50 mg chewable tablet	60 tablets per HDPE bottle			Store between 15–30°C.	\$0.235 per tablet

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Generic Product						
Didanosine (FDA approved)	Barr Laboratories, Inc. Corporate Headquarters 223 Quaker Road Pomona, NY 10970 Tel: 845-362-1100 -or- Fax: 845-362-2774 800-222-0190	200 mg delayed-release capsule	30 capsules per bottle 12 bottles per case Shipping carton: Dimensions: 8.25 x 6.5 x 5 in Volume: .15 ft ³ Weight: 1.6 lbs.			
		250 mg delayed-release capsule	30 capsules per bottle 12 bottles per case Shipping carton: Dimensions: 8.25 x 6.5 x 5 in Volume: .15 ft ³ Weight: 1.6 lbs.			
		400 mg delayed-release capsule	30 capsules per bottle 12 bottles per case Shipping carton: Dimensions: 8.25 x 6.5 x 5 in Volume: .15 ft ³ Weight: 1.6 lbs.			
Didanosine PEPFAR qualified. (Tentatively approved 10 July 2006.)	Aurobindo Pharma Ltd. Registered & Corporate Office Plot # 2, Maitri Vihar, Ameerpet, Hyderabad – 500 038, Andhra Pradesh, India. Phone: +91 (40) ... Fax: +91(40) 2374 1080 / 2374 6883 Email : info@aurobindo.com	100 mg chewable tablet	60's per HDPE container	24 months	Store below 25°C.	\$0.150 per tablet \$219 per patient per year
		150 mg chewable tablet	60's per HDPE container	24 months	Store below 25°C.	\$0.225 per tablet

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
		200 mg chewable tablet	60's per HDPE container	24 months	Store below 25°C.	\$0.308 per tablet

<p>World Health Organization recommended second line regimens using this ARV:</p> <p>Adults: Second line: ddl + ABC or 3TC (± AZT) + PI/r*** Alternate second line regimen: ddl + EFV or NVP + PI/r***</p> <p>Children: Second line: ddl + ABC or AZT or EFV or NVP + PI/r***</p> <p>***PI/r = ATV/r, FPV/r, IDV/r, LPV/r and SQV/r</p>	<p>Adult Daily Dosage: 400 mg for patients ≥ 60 kg in combination with other antiretroviral agents</p> <p>250 mg for patients ≤ 60 kg in combination with other antiretroviral agents</p>	<p>Pediatric Daily Dosage: > 3 months: 50 mg/m² twice daily</p> <p>3 to 13 years: 90–120 mg/m² twice daily</p> <p>Maximum dose 200 mg/dose twice daily</p> <p>Videx EC should not be used by pediatric patients.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

EFAVIRENZ (EFV)

NNRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Sustiva® (FDA approved) *Internationally marketed as Stocrin; licensed by Merck	Bristol-Myers Squibb Princeton, NJ 08543 USA Tel: +1 800 426 7644 +1 800 631 5244 www.bms.com	50 mg capsule	30 capsules per bottle	36 months	Store at 25°C (77°F); excursions to 15–30°C (59–86°F) permitted.	\$0.116 per capsule \$169 per patient per year
		200 mg capsule	90 capsules per bottle	3 years	Store at 25°C (77°F); excursions to 15–30°C (59–86°F) permitted.	\$0.457 per capsule \$500 per patient per year
		600 mg film-coated tablet	30 tablets per bottle	2 years	Store at 25°C (77°F); excursions to 15–30°C (59–86°F) permitted.	\$0.95 per tablet \$347 per patient per year
		100 mg capsule	30 tablets per bottle		Store at 25°C (77°F); excursions to 15–30°C (59–86°F) permitted.	
Generic Product						
Efavir	Cipla	600 mg capsule	600 mg bottle 96 packs per shipper 30's bottle pack 500's bottle pack	24 months	Store between 20–25°C.	\$0.467 per capsule \$170 per patient per year
	Ranbax Labs Sahib India Tel +91 (1704)222834, 222720, 222719	600 mg tablets	60's HDPE bottle 10's cold form blister pack 10's PVdC/PE/PVC blister pack	24 months	Store below 25°C.	\$0.2083 per tablet
		200 mg tablets	60's HDPE bottle 10's cold form blister pack 10's PVdC/PE/PVC blister pack	24 months	Store below 25°C in original package.	\$0.2500 per tablet

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Stocrin	Merck Sharp & Dohme (Australia) Pty Limited A.B.N. 14 000 173 508 54-68 Ferndell Street SOUTH GRANVILLE NSW 2142	50 mg tablet	30 capsules per bottle	36 months One month after opening bottle	Store in a cool dry place where the temperature stays below 30°C.	
		200 mg tablet	90 capsules per bottle	36 months One month after opening bottle	Store in a cool dry place where the temperature stays below 30°C.	
	Strides S-No. 36/7 Suragajkanahalli Indlavadi Cross, Anekal Taluk Bangalore-562106, India	600 mg tablets	20 tablets per bottle	24 months	Store below 30°C. Protect from light and keep in closed container	\$0.500 per pill \$180.00 per patient per year
	Matrix	600 mg tablets	30 tablets per bottle 126 bottles per shipper	24 months	Store below 30°C.	\$13 per bottle
Viranz© (FDA tentatively approved)	Aurobindo Pharma Ltd. Unit III, Survey No. 313 Bachupally Village Quthubullapur Mandal Ranga Reddy District Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080 / 2374 6883 www.aurobindo.com	600 mg capsules	30 capsules per bottle	24 months	Do not store above 25°C. Store in original package.	\$.55 per tablet \$201 per patient per year
		100 mg capsules	30 capsules per bottle	24 months	Do not store above 25°C. Store in original package.	\$0.175 per capsule
		200 mg capsules	90 capsules per bottle	24 months	Do not store above 25°C. Store in original package.	\$0.206 per capsule \$226 per patient per year
		50 mg capsules	30 capsules per bottle	24 months	Do not store above 25°C. Store in original package.	\$0.093 per capsule

World Health Organization recommended first and second line regimens using this ARV:	Adult Daily Dosage:	Pediatric Daily Dosage:
Adults : First line : EFV + 3TC o r FTC + AZT or d4T or TDF or ABC Alternate second line : EFV + PI/r + ddl	600 mg daily in combination with a protease inhibitor and/or nucleoside analogue reverse transcriptase inhibitors	10 to < 14 kg 200 mg 14 to < 20 kg 250 mg 20 to < 25 kg 300 mg 25 to < 30 kg 350 mg 30 to < 40 kg 400 mg >40 kg 600 mg
Children : First line : EFV + 3TC + AZT or d4T or ABC Second line : EFV + ddl + PI/r***		
***PI/r = ATV/r, FPV/r, IDV/r, LPV/r and SQV/r		

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

EMTRICITABINE + TENOFOVIR (FTC + TDF)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Truvada	Gilead Sciences, Inc. 333 Lakeside Drive Foster City, California 94404 USA Tel: +1-650-574-3000 Fax: +1-650-522-5870 E-mail: ARVaccess@gilead.com www.gilead.com	Tablet contains: 200 mg emtricitabine 300 mg tenofovir	HDPE bottle with 30 tablets		Store below 25°C (77°F).	\$0.875 per tablet \$319 per patient per year

<p>World Health Organization recommended first line regimens using this ARV: Adults: FTC+ AZT or d4T + EFV or NVP</p>	<p>Adult Daily Dosage: One tablet of 3TC / AZT twice a daily and one tablet of EFV daily</p>	<p>Pediatric Daily Dosage: Formulation is not designed for children</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

EMTRICITABINE (FTC)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Emtriva (FDA approved)	Gilead Sciences, Inc. 333 Lakeside Drive Foster City, California 94404 USA Tel: +1-650-574-3000 Fax: +1-650-522-5870 E-mail: ARVaccess@gilead.com www.gilead.com	200 mg capsule	30 capsules per bottle 30 capsules per blister pack	2 years	Store at room temperature between 39– 86°F (15–30°C).	
		10 mg/mL oral solution	170 mL bottles, including a marked dosing cup	3 years; 45 days after first opening the bottle	Store in refrigerator between 36–46°F (2–8°C). Alternatively, can be stored at room temperature (25°C) for three months. Discard any remaining solution after 3 months,	

World Health Organization recommended first line regimens using this ARV: Adults: FTC + AZT or d4T or TDF or ABC + EFV or NVP	Adult Daily Dosage: One 200 mg capsule once daily in combination with other antiretrovirals	Pediatric Daily Dosage: >4 months, 6 mg/kg up to a maximum of 240 mg once daily in combination with other antiretrovirals
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

INDINAVIR (IDV)

PI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Crixivan (FDA approved)	Merck and Co., Inc. One Merck Drive Whitehouse Station, NJ 08889 Tel: 908-423-1000 www.merck.com	400 mg capsule	Bottles of 18, 42, 90, 120, 180 capsules with dessicant	3 years	Store at room temperature 15–30°C (59–86°F). Protect from moisture.	\$.274 per capsule \$400 per patient per year

<p>World Health Organization recommended second line regimens using this ARV:</p> <p>Adults: IDV / r + ddl or TDF + ABC or 3TC (±AZT)</p> <p>Alternate second line: IDV / r + ddl + EFV or NVP</p>	<p>Adult Daily Dosage:</p> <p>800 mg (or two 400 mg capsules) every 8 hours in combination with other antiretrovirals</p>	<p>Pediatric Daily Dosage:</p> <p>Optimal dosing for pediatric patients has not been established.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE (3TC)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Epivir® (WHO prequalified) (FDA approved)	GlaxoSmithKline Stockley Park West Uxbridge, Middlesex UB222BT Tel: +44 (0) 8 0021441 Fax: +44 20 8990 4328 www.gsk.com	150 mg tablet	60 tablets per HDPE bottle 60 tablets per blister pack 600 tablets per inner carton Shipping carton: Volume: .06 ft ³	24 months	Store at 25°C (77°F). Excursions to 15–30°C (59–86°F) permitted.	\$0.087 per tablet \$64 per patient per year
	GlaxoSmithKline Stockley Park West Uxbridge, Middlesex UB222BT Tel: +44 (0) 8 0021441 Fax: +44 20 8990 4328 www.gsk.com	10 mg/mL syrup	240 mL per HDPE bottle 12 bottles per inner carton 10 mL oral dosing syringe and polyethylene adapter included Shipping carton: Volume: .37 ft ³	24 months	Do not store above 25°C. Discard oral solution one month after opening.	\$0.023 per mL \$84 per patient per year
Generic Products						
Heptavir	Hetero Drugs Ltd. Jeedimetla, AP, India 166/7/1, Erragadda, Hyderabad–500018, (A.P) India Tel: +91 40 2370 4923/24/25 Fax: +91 40 2370 4926 +91 40 2371 4250 www.heterodrugs.com	150 mg tablet	60 tablets per HDPE bottle		Do not store above 30°C.	\$0.073 per tablet \$53 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Lamivir® (WHO prequalified)	Cipla Ltd. Vikhroli, India Mumbai Central Mumbai-400 008 India Tel: +91 22 2308 2891 +91 22 2309 5521 Fax: +91 22 2307 0013 +91 22 2307 0393 www.cipla.com	50 mg/5 mL solution	100 mL per PET bottle, with syringe 240 mL bottle 35 bottles per shipper	24 months	Store between 20–25°C. Discard oral solution one month after opening.	\$0.018 per mL \$66 per patient per year
		100 mg tablet	10 tablets per blister pack 60 tablets per inner carton	24 months	Do not store above 30°C.	
		150 mg tablet	10 tablets per blister pack 60 tablets per inner carton 168 packs per shipping carton Shipping carton: Dimensions: 455 x 280 x 250 mm Weight: 15.1 kg	24 months	Do not store above 30°C.	\$0.065 per tablet \$47 per patient per year
Lamivudine (WHO prequalified)	Strides Arcolab Ltd. Strides House, Bilekahalli, Bannerghatta Road, Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	150 mg tablet	60 tablets per HDPE bottle 10 tablets per blister pack		Do not store above 30°C.	\$0.071 per tablet \$51.12 per patient per year
Lamivox (WHO prequalified) (FDA tentatively approved)	Aurobindo Pharma Ltd. Unit III, Survey No. 313 Bachupally Village Quthubullapur Mandal, Ranga Reddy District Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080 / 2374 6883 www.aurobindo.com	150 mg tablet	60 tablets per HDPE bottle	24 months	Do not store above 25°C. Store in original package.	\$0.059 tablet \$43 per patient per year
		300 mg tablet	60 tablets per HDPE bottle	24 months	Do not store above 25°C. Store in original package.	\$.155 per tablet \$56 per patient per year
		10 mg/mL	240 mL HDPE container Pack contains a 20 mL measuring cup.	18 months	Do not store above 25°C.	\$0.009 per mL \$34 per patient per year

continued LAMIVUDINE

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Aspen Lamivudine (WHO prequalified)	Aspen Pharmacare Aspen Park 98 Armstrong Avenue La Lucia Ridge Durban 4019 South Africa Tel: +27 31 5808600 www.aspenpharma.com	150 mg tablet	60 tablets per plastic container, securitainer, metalised lay flat pack, glass bottle	24 months	Store below 25°C.	\$4.50
	Matrix	150 mg tablet	60 tablets per bottle 126 bottles per shipper	24 months	Store below 30°C.	\$3.20 per bottle
Anolam/ Virolam/ Avolam (FDA tentatively approved)	Ranbaxy Laboratories Ltd. Dewas, India 19 Nehru Place New Delhi-110019, India Tel: +91 11 2645 2666-72 Fax: +91 11 2600 2076 www.ranbaxy.com	150 mg tablet	60 tablets per bottle 1,440 tablets per inner carton (24 packs per inner carton) 14,400 tablets per shipping carton (600 packs or 10 inner carton) Shipping carton: Dimensions: .49 x .36 x .23 m Volume: .0406 Weight: 7.85	24 months	Store below 25°C. Protect from moisture.	\$0.0517 per tablet \$43 per patient per year

<p>World Health Organization recommended first and second line regimens: regimens using this ARV:</p> <p>Adults: First line : 3TC + AZT or d4T or TDF or ABC + EFV or NVP Alternate first line: 3TC + AZT or d4T + TDF or ABC Second line: 3TC + ddI or TDF + PI/r***</p>	<p>Adult Daily Dosage: 300 mg daily or 150 mg twice daily in combination with other antiretroviral agents</p> <p>Per Cipla: adults weighing less than 50 kg, 150 mg once daily</p>	<p>Pediatric Daily Dosage: < 30 days: 2 mg/kg twice daily > 30 days to 12 years: 4 mg/kg twice daily up to a maximum of 150 mg twice daily</p>
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Children:

First line: 3TC + AZT or d4T or ABC + NVP or EFV

Alternate first line: 3TC + AZT or d4T + ABC

**PI/r = ATV/r, FPV/r, IDV/r, LPV/r and SQV/r

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/STAVUDINE (3TC/d4T)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Generic Products						
Virolis 30 Coviro - LS 30 (WHO prequalified)	Ranbaxy Laboratories Ltd. Dewas, India 19 Nehru Place New Delhi-110019, India Tel: +91 11 2645 2666-72 Fax: +91 11 2600 2076 www.ranbaxy.com	Tablet containing: 150 mg lamivudine 30 mg stavudine	60 tablets per bottle 10 blister pack	24 months	Store below 25°C. Protect from moisture.	\$0.0750 per tablet \$124 per patient per year
	Cipla	Tablet containing: 150 mg lamivudine 30 mg stavudine	30's bottle pack 1,000's bottle pack 96 pack per shipper	24 months	Store between 15–25°C.	\$0.075 per capsule \$55.00 per patient per year
	Matrix	Tablet containing: 150 mg lamivudine 30 mg stavudine	60 tablets per bottle 168 bottles per shipper	24 months	Store below 30°C.	\$4.25 per bottle
Lamivudine/ Stavudine (WHO prequalified)	Strides Arcolab Ltd. Strides House, Bilekahalli, Bannerghatta Road, Bangalore-560076, India Tel: +91 80 6581343/4/6 www.stridesarco.com	Tablet containing: 150 mg lamivudine 30 mg stavudine	60 tablets per bottle	24 months	Store below 30°C. Protect from sunlight.	\$0.075 per tablet \$54 per patient per year

World Health Organization recommended first line regimens using this ARV:

Adults:

First line : d4T/3TC + NVP or EFV

Alternate first line : d4T/3TC + TDF or ABC

Children:

d4T/3TC + NVP or EFV

Adult Daily Dosage:

Patients \geq 60 kg: one 3TC/d4T (40 mg) tablet twice daily in combination with other antiretroviral agents

Patients < 60 kg: one 3TC/d4T (30 mg) tablet twice daily in combination with other antiretroviral agents

Pediatric Daily Dosage:

Patients \geq 37 kg: one 3TC/d4T (30 mg) tablet twice daily

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/STAVUDINE/NEVIRAPINE (3TC/D4T/NVP)

NRTI & NNRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Generic Product						
Triomune 30 (WHO prequalified)	Cipla Ltd. Patalganga, India Mumbai Central Mumbai-400 008, India Tel: +91 2308 2891 2309 5521 Fax: +91 22 2307 0013 +91 22 2307 0393 www.cipla.com	Tablet containing: 200 mg nevirapine	30 tablets per bottle 60's bottle pack 1,000's bottle pack	24 months	Store between 15–25°C. Protect from moisture.	\$0.142 per tablet \$103 per patient per year
		150 mg lamivudine 30 mg stavudine	Container of 60 tablets	18 months	Store below 25°C.	
		Each tablet contains stavudine 6 mg lamivudine 30 mg nevirapine 50 mg		24 months	Store between 15–25°C.	
		Tablet containing: lamivudine 60 mg stavudine 12 mg nevirapine 100 mg	60 bottle pack 1,000 bottle pack			
	Strides Arcolab Ltd. Strides House, Bilekahalli Bannerghatta Rd Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	Tablet containing: lamivudine 150 mg stavudine 40 mg nevirapine 200 mg	30 tablets	24 months	Store below 30°C. Protect from light.	\$0.14 per tablet \$102.00 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Virolans 30 Triviro - LNS (WHO prequalified)	Ranbaxy Laboratories Ltd. Dewas, India Plot 90, Sector 32, Gurgaon -122001 (Haryana), India Tel: +91 124 5135000 www.ranbaxy.com	Tablet containing: 200 mg nevirapine 150 mg lamivudine 30 mg stavudine	60 tablets per bottle 240 tablets per case 2,400 tablets per shipping carton Shipping carton: Dimensions: .45 x 0.3 x 0.25 m Volume: 0.0338 m ³ Weight: 4.85	12 months	Store below 25°C. Protect from moisture.	\$0.1283 per tablet \$219 per patient per year
Virolans 40 Triviro - LNS (WHO prequalified)	Ranbaxy Laboratories Ltd. Dewas, India Plot 90, Sector 32, Gurgaon -122001 (Haryan a), India Tel: +91 124 5135000 www.ranbaxy.com	Tablet containing: 200 mg nevirapine 150 mg lamivudine 40 mg stavudine	60 tablets per bottle 240 tablets per case 2,400 tablets per shipping carton Shipping carton: Dimensions: .45 x 0.3 x 0.25 m Volume: 0.0338 Weight: 4.85	12 months	Store below 25°C. Protect from moisture.	\$0.1333 per tablet \$234 per patient per year
Nevilast 30 (WHO prequalified)	Hetero Drugs Ltd. 166/7/1, Erragadda, Hyderabad-500 018, (A.P) India q Tel: +91 40 2370 4923/24/25 Fax: +91 40 2370 4926, 23714250 www.heterodrugs.com	Tablet containing: 200 mg nevirapine 150 mg lamivudine 30 mg stavudine	10 tablets per blister pack 60 tablets per HDPE bottle			\$0.201 per tablet \$147 per patient per year

World Health Organization recommended first line regimens using this ARV:

Adults: *d4T/3TC/NVP

Children: *d4T/3TC/NVP

Adult Daily Dosage:

1 tablet twice daily of 40 mg for patients > 60 kg, and
1 tablet twice daily of 30 mg for patients < 60 kg
in combination with other antiretroviral agents

Pediatric Daily Dosage:

The FDC is not recommended for pediatric patients or patients < 50 kg.

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/STAVUDINE+EFAVIRENZ (3TC/d4T+EFV)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Lamivudine/ Stavudine Plus Efavirenz Co-blister pack (WHO pre-qualified) (FDA tentatively approved)	Strides Arcolab Ltd. Strides House, Bilekahalli Bannerghatta Rd Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	Tablet containing: lamivudine 150 mg stavudine 30 mg Plus Tablet containing: efavirenz 600 mg	60 tablets + 30 tablets (co-blister pack) HDPE bottle	24 months	Store at room temperature 25°C.	
Lamivudine/ Stavudine Plus Efavirenz Co-blister pack (WHO pre-qualified) (FDA tentatively approved)	Ranbaxy Laboratories Ltd. India 19 Nehru Place New Delhi-110019, India Tel: +91 11 26452666 72; Fax: +91 11 26002076 www.ranbaxy.com	Tablet containing: lamivudine 150 mg stavudine 30 mg Plus Tablet containing: efavirenz 600 mg	60 tablets + 30 tablets (co-blister pack) HDPE bottle	24 months	Store below 30°C.	\$0.945 per daily dose (3 tabs) \$345 per patient per year

World Health Organization recommended first line regimens using this ARV: Adults: 3TC+ d4T +EFV	Adult Daily Dosage: 3TC/d4T: one twice daily EFV: once daily	Pediatric Daily Dosage:
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/ZIDOVUDINE (3TC/ZDV)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Combivir® (FDA approved) (WHO prequalified)	GlaxoSmithKline by Shire Pharmaceuticals Group, Inc. Baingstoke, UK	Tablet containing: 150 mg lamivudine 300 mg zidovudine	60 tablets per bottle 60 tablets per HDPE bottle	24 months	Store between 2–30°C (36–86°F).	\$0.325 per tablet \$237 per patient per year
Generic Products						
Zidolam	Hetero Drugs Ltd. Jeedimetla, AP, India 166/7/1, Erragadda, Hyderabad–500018, (A.P) India Tel: +91 40 2370 4923/24/25 Fax: +91 40 2370 4926 +91 40 23714250 www.heterodrugs.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine	10 tablets per blister pack 60 tablets per HDPE bottle		Do not store above 30°C.	\$0.220 per tablet \$160 per patient per year
	Matrix	Tablet containing: 150 mg lamivudine 300 mg zidovudine	60 tablets per bottle 168 bottles per carrier	24 months	Store below 30°C.	
	Strides Arcolab Ltd. Strides House, Bilekahalli Bannerghatta Rd Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine	60 tablets per bottle	24 months	Store below 30°C. Protect from light.	\$0.210 per tablet \$151.20 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Avocomb Virocomb (WHO prequalified)	Ranbaxy Laboratories Ltd. Dewas, India Plot 90, Sector 32, Gurgaon -122001 (Haryana), India Tel: +91 124 5135000 www.ranbaxy.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine	60 tablets per bottle/blister pack 10 cold form blister pack 10 PVdC/PVC blister pack	24 months	Store below 25°C. Protect from moisture.	\$0.1667 per tablet \$140 per patient per year
	Pharmacare	Tablet containing: 150 mg lamivudine 300 mg zidovudine	120 tablets per carton	24 months	Store below 25°C. Protect from moisture and light.	
Lamivudine/ Zidovudine (FDA tentatively approved) (WHO prequalified)	Aurobindo Pharma Ltd. Unit III, Survey No. 313 Bachupally Village Quthubullapur, Mandal Ranga Reddy District Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080 / 2374 6883 www.aurobindo.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine	60 tablets per bottle	24 months	Do not store above 30°C. Store in original package.	\$0.192 per tablet \$140 per patient per year
Duovir (WHO prequalified)	Cipla Ltd. Vikhroli, India Patalganga, India Mumbai Central Mumbai-400 008, India Tel: +91 2308 2891 2309 5521 Fax: +91 22 2307 0013; +91 22 2307 0393 www.cipla.com	Tablet containing: 150 mg lamivudine 300 mg zidovudine	10 blister packs 60 tablets per container 1,000 tablets per bottle pack Shipping carton: Dimensions: 305 x 270 x 150 mm Weight: 2.5 kg	24 months	Store 20–25°C.	\$0.183 per tablet \$134 per patient per year

<p>World Health Organization recommended first line regimens using this ARV:</p> <p>Adults: 3TC/AZT + EFV or NVP Alternate first line: 3TC/AZT + TDF or ABC</p> <p>Children: 3TC/AZT + EFV or NVP</p>	<p>Adult and adolescent Daily Dosage: One tablet twice daily in combination with other antiretroviral agents</p>	<p>Pediatric Daily Dosage: This FDC should not be used by pediatric patients under 12 years of age.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/ZIDOVUDINE+EFAVIRENZ (3TC/ZDV+EFV)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Lamivudine/ Zidovudine Plus Efavirenz Co-blister pack (WHO pre-qualified) (FDA tentatively approved)	Strides Arcolab Ltd. Strides House, Bilekahalli Bannerghatta Rd Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	Tablet containing: lamivudine 150 mg zidovudine 300 mg Plus Tablet containing: efavirenz 600 mg	60 tablets + 30 tablets (co-blister pack) HDPE bottle		Store at room temperature 30°C.	\$.904 per daily dose (3 tabs) \$330 per patient per year
Lamivudine/ Zidovudine Plus Efavirenz Co-blister pack (WHO pre-qualified) (FDA tentatively approved)	Aurobindo Pharma Ltd. Registered & Corporate Office Plot # 2, Maitri Vihar, Ameerpet, Hyderabad – 500 038, Andhra Pradesh, India. Phone: +91 (40) ... Fax: +91(40) 2374 1080 / 2374 6883 Email : info@aurobindo.com	Tablet containing: lamivudine 150 mg zidovudine 300 mg Plus Tablet containing: efavirenz 600 mg	60 tablets + 30 tablets (co-blister pack) Blister cards carton			\$1.083 per daily dose (3 tabs) \$395 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Lamivudine/ Zidovudine Plus Efavirenz Co-blister pack (WHO pre qualified)	Ranbaxy Laboratories Ltd. Dewas, India 19 Nehru Place New Delhi-110019, India Tel: +91 11 2645 2666-72 Fax: +91 11 2600 2076 www.ranbaxy.com	Tablet containing: lamivudine 150 mg zidovudine 300 mg Plus Tablet containing: efavirenz 600 mg	Alu/Alu blister 2 + 1; Cardboard box 30 + 15			\$1.05 per daily dose (3 tabs) \$434 per patient per year

World Health Organization recommended first line regimens using this ARV: Adults: 3TC+ZDV+EFV	Adult Daily Dosage: 3TC/ZDV: one twice daily EFV: once daily	Pediatric Daily Dosage:
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LAMIVUDINE/ZIDOVUDINE/NEVIRAPINE (3TC/ZDV/NVP)

NRTI&NRTI&NNRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Duovir N (FDA tentatively approved)	Cipla Ltd. Mumbai Central Mumbai 400 –8 India (Bangalore site approved by U.S. FDA for bulk drugs)	Tablet containing: lamivudine 150 mg zidovudine 300 mg nevirapine 200 mg	60 tablets HDPE bottles with child resistant closure		Store below 25°C.	\$0.317 per tablet \$231 per patient per year
Lamivudine/ Zidovudine/ Nevirapine (FDA tentatively approved)	Aurobindo Pharma Ltd. Registered & Corporate Office Plot # 2, Maitri Vihar, Ameerpet, Hyderabad – 500 038, Andhra Pradesh, India. Phone: +91 (40) ... Fax: +91(40) 2374 1080 / 2374 6883 Email : info@aurobindo.com	Tablet containing: lamivudine 150 mg zidovudine 300 mg nevirapine 200 mg	60 tablets	24 months	Store below 25°C.	\$0.242 per tablet \$176 per patient per year

World Health Organization recommended first line regimens using this ARV: Adults: 3TC+ZDV+NVP	Adult Daily Dosage: 3TC/ZDV/NVP: one twice daily	Pediatric Daily Dosage: Not for children
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

LOPINAVIR/RITONAVIR (LPV/r)

PI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Kaletra® (WHO prequalified) (FDA approved)	Abbott Laboratories 100 Abbott Park Road Abbott Park, Illinois 60064-3500 Telephone: (847) 937-6100 www.abbott.com (check the website for local distributors)	Capsule containing: 133.3 mg lopinavir 33.3 mg ritonavir	2 x 90 capsules per HDPE bottle Shipping carton: 6 bottles per inner carton Weight: 1.84 kg	24 months	Store capsules at 2–8°C (36–46°F) until dispensed. Avoid exposure to excessive heat. If stored at room temperature up to 25°C (77°F), use capsules within 2 months.	\$0.228 per capsule \$500 per patient per year
		Oral solution containing: 80 mg/mL lopinavir 20 mg/mL ritonavir (Oral solution contains 42.4% v/v alcohol)	160 mL per PET bottle 60 mL per PET bottle Five 60 mL bottles with 5 mL syringes per pack	24 months	Store oral solution at 2–8°C (36–46°F) until dispensed. Avoid exposure to excessive heat. If stored at room temperature up to 25°C, (77°F) use solution within 2 months.	\$0.137 per mL \$200 per patient per year
Aluvia® (WHO prequalified) (FDA approved)	Abbott Laboratories 100 Abbott Park Road Abbott Park, Illinois 60064-3500 Telephone: (847) 937-6100 www.abbott.com (check the website for local distributors)	Tablet containing: 200 mg lopinavir 50 mg ritonavir	120 tablets per HDPE bottle		Store tablets at room temperature, up to 25°C. Excursions permitted to 15–30°C.	\$0.342 per capsule \$500 per patient per year
		Tablet containing: 100 mg lopinavir 25 mg ritonavir	120 tablets per HDPE bottle		Store tablets at room temperature, up to 25°C. Excursions permitted to 15–30°C.	\$0.171 per capsule \$125 per patient per year

<p>World Health Organization recommends LPV/r be used for second line regimens:</p>	<p>Adult Daily Dosage: 3 capsules OR 2 tablets twice daily OR 5 mL in combination with other antiretroviral agents</p>	<p>Pediatric Dosage: 5 – 7.9 kg: 16 mg/3 mg/kg twice daily 8 – 9.9 kg : 14 mg/3 mg/kg twice daily 10 – 13.9 kg: 12 mg/3 mg/kg twice daily 14 – 39.9kg: 10 mg/2.5 mg/kg twice daily Maximum dose: 400 mg / 100 mg twice daily.</p> <p>Prescriber should calculate the appropriate milligram dose for each individual child <13 years old and determine the corresponding volume of solution or number of capsules.</p>
<p>Adults: Second line: LPV/r + TDF or ddl + ABC or 3TC (± AZT) Alternate second line: LPV/r + ddl + EFV or NVP</p>		
<p>Children: LPV/r + ddl + ABC or AZT or EFV or NVP</p>		

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

NELFINAVIR MESYLATE (NFV)

PI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Viracept® (WHO has temporarily suspended this product from the pre-qualification list due to a recall in 2007.) (FDA approved)	Roche	250 mg tablet	300 tablets per plastic container	3 years	Store at 15–25°C (59–77°F). Protect from moisture.	\$0.293 per tablet \$1,069 per patient per year
		625 mg tablet	120 tablets per HDPE bottle	3 years	Store at 15–25°C (59–77°F) in tightly closed container.	
		50 mg/g oral powder	144 g per HDPE bottle with scoop	2 years	Store at 15–25°C (59–77°F). Store in the original package.	\$0.220 per dose \$1,927 per patient per year

<p>World Health Organization recommends NFV be used in second line regimens:</p> <p>Adults: Second line: NFV + TDF or ddl + ABC or 3TC (± AZT) Alternate second line: NFV + ddl + EFV or NVP</p> <p>Children: NFV + ddl + ABC or AZT or EFV or NVP</p> <p>NFV is not the first choice for PIs as it is considered less potent than the ritonavir boosted PIs.</p>	<p>Adult Daily Dosage: Tablets: 1,250 mg (as five 250 mg tablets or two 625 mg tablets) twice daily in combination with other antiretroviral agents</p>	<p>Pediatric Daily Dosage: < 10kg: ~ 75 mg/kg/dose twice daily > 10kg to 19.9 kg: ~ 60 mg/kg/dose twice daily Maximum dose of 1250 mg twice daily in combination with other antiretroviral agents.</p>
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*Price, packaging, and shipping information will vary according to contract specifications.

**Source: Source: Médecins Sans Frontières..June 2005. Untangling the Web of Price Reductions. Geneva: Médecins Sans Frontières

NEVIRAPINE (NVP)

NNRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Viramune® (WHO prequalified) (FDA approved)	Boehringer Ingelheim Binger Str. 173 55216 Ingelheim Germany Tel: +49 6132 77 0 Fax: +49 6132 72 0 <a href="http://www.boehringer-
ingelheim.com/">http://www.boehringer- ingelheim.com/	200 mg tablet	10 tablets per blister pack 6 blister packs per carton	24 months	Store at 25°C (77°F); excursions permitted to 15°–30°C (59–86°F).	\$0.300 per tablet \$219 per patient per year
	Boehringer Ingelheim Roxane Laboratories, Inc. Columbus, OH, USA P.O. Box 16532 Columbus, OH 43216-6532 USA Tel: +1-614-276-4000 <a href="http://www.boehringer-
ingelheim.com/">http://www.boehringer- ingelheim.com/	50 mg/5 mL oral suspension	240 mL per HDPE bottle + 5 mL syringe	24 months Use product within 2 months of opening.	Store at 25°C (77°F); excursions permitted to 15–30°C (59–86°F).	\$0.052 per mL \$12.48 per bottle \$380 per patient per year
Generic Products						
Nevimune (WHO prequalified) (FDA tentatively approved)	Cipla Ltd. Vikhroli, India Goa, India Mumbai Central Mumbai 400 008, India Tel: +91 22 2308 2891; +91 22 2309 5521 Fax: +91 22 2307 0013; +91 22 2307 0393 www.cipla.com	200 mg tablet	1,000 per bottle pack Shipping carton: Dimensions: .45 x .28 x .2 m Volume: .0252 m ³ Weight: 10.4 kg	24 months		\$0.068 per tablet \$50 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Nevipan (FDA tentatively approved)	Ranbaxy Laboratories Ltd. Dewas, India 19 Nehru Place New Delhi-110019, India Tel: +91 11 2645 2666-72 Fax: +91 11 2600 2076 www.ranbaxy.com	200 mg tablet	60 tablets per blister strip/bottle 1,500 tablets per inner carton 6,000 tablets per shipping carton Shipping carton: Dimensions: 0.53 x 0.35 x 0.29 m Volume: 0.0538 m ³ Weight: 9 kg	24 months	Store below 25°C. Protect from moisture.	\$0.0633 per tablet \$52 per patient per year
Nevivir (WHO prequalified)	Hetero Drugs Ltd. 166/7/1, Erragadda, Hyderabad-500018, (A.P) India Tel: +91 40 2370 4923/24/25 Fax: +91 40 2370 4926 +91 40 2371 4250 www.heterodrugs.com	200 mg tablet	10 tablets per blister pack 60 tablets per HDPE bottle		Store below 30°C.	\$0.066 per tablet \$48 per patient per year
Nevirapine (WHO prequalified)	Strides Arcolab Ltd. Strides House, Bilekahalli, Bannerghatta Road, Bangalore-560076 India Tel: +91 80 6581343/4/6 www.stridesarco.com	200 mg tablet	60 tablets per HDPE bottle			\$0.08 per tablet \$58 per patient per year
Nevirex (FDA tentatively approved)	Aurobindo Pharma Ltd. Unit III, Survey No. 313 Bachupally Village, Quthubullapur Mandal, Ranga Reddy District Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080/ 2374 6883 www.aurobindo.com	200 mg tablet	60 tablets per HDPE bottle	24 months	Do not store above 25°C. Store in original package.	\$0.066 per tablet \$48 per patient per year
		50 mg/5 mL oral suspension	240 mL per HDPE bottle. The pack contains a 20 mL measuring cup.	24 months	Do not store above 25°C. Store in original package.	\$0.010 per mL \$76 per patient per year

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Nevirapine (FDA tentatively approved)	Zhejiang Huahai Pharmaceutical Co. Ltd. Xunqiao, Linhai; Zhejiang 317024; China en.huahai.com	200 mg tablet	60 tablets per HDPE bottle	24 months	Store below 25°C. Excursions permitted 15–30°C.	
Nevirapine (FDA tentatively approved)	Emcure Pharmaceuticals Limited Plot No. P-2 I.T.-B.T. Park, Phase II, MIDC Hinjwadi, Pune, 411 057 India www.emcure.co.in	200 mg tablet	60 tablets per HDPE bottle 10 tablets per blister			

<p>World Health Organization recommended first line regimens using this ARV:</p> <p>Adults: First line: NVP + 3TC or FTC + AZT or d4T</p> <p>Nevirapine is the first choice NNRTI during pregnancy. Preferred regimen for pregnant women, or for women for whom effective contraception cannot be assured.</p> <p>Alternate second line: NVP + ddl + PI/r***</p> <p>Children: NVP + AZT or d4T or ABC + 3TC</p>	<p>Adult Daily Dosage: 200 mg daily for the first 14 days, followed by 200 mg twice daily, in combination with other antiretroviral agents</p>	<p>Pediatric Daily Dosage: 2 months to 8 years: 4 mg/kg once daily for two weeks followed by 7 mg/kg once daily thereafter</p> <p>8 years to 16 years: 4 mg/kg once daily for two weeks followed by 4 mg/kg twice daily thereafter.</p> <p>Total daily dose should not exceed 400 mg.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

RITONAVIR

PI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Norvir (WHO prequalified) (FDA approved)	Abbott Laboratories Abbott Park, Illinois, USA Tel: 800-323-9100 www.abbott.com	100 mg capsule	84 capsules per HDPE bottle 4 bottles per pack	2 years	Store in refrigerator between 2–8°C. Can be stored below 25°C if used within 30 days by patient.	\$0.114 per capsule \$83 per patient per year
		80 mg/mL oral solution	90 mL per PET bottle	6 months	Store below 25°C. Do not refrigerate or freeze.	\$0.93 per mL \$79 per patient per year

World Health Organization recommends that ritonavir be used in some second line regimens in combination with protease Inhibitors.	Adult Daily Dosage: 600 mg (or 6 capsules) twice daily in combination with other antiretrovirals	Pediatric Daily Dosage: > 2 years, 350 mg/m ² twice daily in combination with other antiretrovirals
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

SAQUINAVIR MESYLATE (SQV)

PI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Invirase (FDA approved)	F. Hoffmann-La Roche Ltd. Grenzacherstrasse 124 CH-4070 Basel, Switzerland Tel :+41-61-688 111 www.roche.com	200 mg capsules	270 capsules per HDPE bottle	3 years	Store at 25°C. Excursions permitted to 15–30°C. Store in tightly closed bottles.	\$0.288 per capsule \$1,051 per patient per year
	Roche Labs, Inc. 340 Kingsland Street Nutley, NJ 07110-1199 www.roche.com	500 mg tablets	120 tablets per HDPE bottle		Store at 25°C. Excursions permitted to 15–30°C. Store in tightly closed bottles.	\$0.663 per tablet \$968 per patient per year

<p>World Health Organization recommended second line regimens using this ARV:</p> <p>Adults: Second line: SQV/r + TDF or ddl + ABC or 3TC (± AZT) Alternate second line: SQV/r + ddl + EFV or NVP</p> <p>Children: First line: SQV/r + ddl + ABC or AZT or EFV or NVP</p>	<p>Adult Daily Dosage: 1,000 mg twice daily (either five 200 mg capsules or two 500 mg tablets) in combination with ritonavir.</p>	<p>Pediatric Daily Dosage: The safety of saquinavir in pediatric patients under 16 years old or under 25 kg has not been determined.</p>
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*Price, packaging, and shipping information will vary according to contract specifications.

**Source: Médecins Sans Frontières. June 2005. Untangling the Web of Price Reductions. Geneva: Médecins Sans Frontières

STAVUDINE (d4T)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Zerit® (WHO prequalified) (FDA approved)	Bristol Myers Squibb PO Box 4500 Princeton, NJ 08543-4500 Tel: 800-321-1335 www.bms.com	15 mg capsule	56 capsules per blister pack 60 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at controlled room temperature, 59–86°F (15–30°C). Do not store above 30°C.	\$0.032 per capsule
		20 mg capsule	56 capsules per blister pack 60 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at controlled room temperature, 59–86°F (15–30°C). Do not store above 30°C.	\$0.092 per capsule \$69 per patient per year
		30 mg capsule	56 capsules per blister pack 60 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at controlled room temperature, 59–86°F (15–30°C). Do not store above 30°C.	\$0.092 per capsule \$67 per patient per year
		40 mg capsule	56 capsules per blister pack 60 capsules per HDPE bottle	24 months	Store capsules in tightly closed containers at controlled room temperature, 59–86°F (15–30°C). Do not store above 30°C.	\$0.092 per capsule \$67 per patient per year
Zerit® (continued) (WHO prequalified) (FDA approved)		1 mg/mL oral solution	Container provides 200 mL of solution after reconstitution with water.	2 years; discard unused solution after 30 days.	Store powder at 59–86°F (15–30°C) and protect from excessive moisture. After reconstitution, store the solution in a tightly closed container at 2–8°C.	\$0.007 per mL \$51 per patient per year

continued STAVUDINE (d4T)

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Generic Products						
Stag	Hetero Drugs Ltd. Genex Pharma Mumbai, India 166/7/1, Erragadda, Hyderabad-500018, (A.P) India Tel: +91 23704923/24/25 Fax: +91 40 23704926, 23714250 www.heterodrugs.com	30 mg capsule	10 capsules per blister pack 60 capsules per bottle			\$0.027 per capsule \$20 per patient per year
		40 mg capsule	10 capsules per blister pack 60 capsules per bottle			\$0.033 per capsule \$24 per patient per year
Virostav/ Avostav	Ranbaxy Laboratories Ltd. India 19 Nehru Place New Delhi-110019, India Tel: +91 11 26452666 72; Fax: +91 11 26002076 www.ranbaxy.com	30 mg capsule	60 capsules per bottle or blister pack 180 capsules per case (3 bottles) 1,800 capsules per shipping carton (30 bottles) Shipping carton: Dimensions: 0.49 x 0.39 x 0.25 m Volume: 0.0478 m ³ Weight: 2.8 kg	24 months	Store below 25°C. Protect from moisture.	\$0.040 per capsule \$28 per patient per year
		40 mg capsule	60 capsules per bottle or blister pack Shipping carton: Dimensions: 0.35 x 0.29 x 0.27 m Volume: 0.0274 m ³ Weight: 2.7 kg	24 months	Store below 25°C. Protect from moisture.	\$0.045 per capsule \$34 per patient per year
Stavex (tentatively FDA approved) (WHO prequalified)	Aurobindo Pharma Ltd. Unit III, Survey No. 313 Bachupally Village Quthubullapur Mandal Ranga Reddy District Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080 /	15 mg capsule	60 capsules per HDPE bottle	24 months	Do not store above 25°C.	\$0.031 per capsule
		20 mg capsule	60 capsules per HDPE bottle	24 months	Do not store above 25°C.	\$0.033 per capsule

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
	2374 6883 www.aurobindo.com	30 mg capsule	60 capsules per HDPE bottle	24 months	Do not store above 25°C.	\$0.037 per capsule \$27 per patient per year
		40 mg capsule	60 capsules per HDPE bottle	24 months	Do not store above 30°C.	\$0.040 per capsule \$29 per patient per year
		1 mg/mL oral solution	200 mL HDPE bottle and measuring cup	24 months for dry powder and not more than 30 days following reconstitution	Do not store powder above 30°C. Following reconstitution, store the solution in tightly closed bottles between 2–8°C.	\$0.010 per ml \$73 per patient per year (daily dose 20 ml)
Aspen-Stavudine (WHO prequalified)	Aspen Pharmacare Aspen Park 98 Armstrong Avenue La Lucia Ridge Durban 4019 South Africa Tel: +27 31 5808600 www.aspenpharma.com	40 mg capsules	60 capsules per plastic container, securitainer, metallised lay flat pack, glass bottle			
		30 mg capsules	60 capsules per plastic container, securitainer, metallised lay flat pack, glass bottle	24 months	Store below 25°C. Protect from moisture and light.	
		20 mg capsules	60 capsules per plastic container, securitainer, metallised lay flat pack, glass bottle	24 months	Store below 25°C. Protect from moisture and light.	

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Stavudine (WHO prequalified) (FDA tentatively approved)	Strides Arcolab Ltd. Strides House, Bilekahalli, Bannerghatta Road, Bangalore-560076, India Tel: +91 80 6581343/4/6 www.stridesarco.com	30 mg capsule	60 capsules per HDPE bottle	24 months	Store below 30°C.	\$0.037 per capsule \$26.64 per patient per year
Stavudine (FDA tentatively approved)	Cipla Ltd. Vikhroli, India Goa, India Mumbai Central Mumbai 400 008, India Tel: +91 22 2308 2891; +91 22 2309 5521 Fax: +91 22 2307 0013; +91 22 2307 0393 www.cipla.com	1mg/ mL oral solution	200 ml HDPE bottles	24 months	Store at 20–25°C.	\$0.015 per ml \$110 per person per year
Stavudine (FDA tentatively approved)	Matrix Laboratories Limited 1-1-151/1, 4th Floor Sai Ram Towers Alexander Road Secunderabad – 500 003 Phone: +91-40-27700363 +91-40-66327722 Fax : +91-40-27700343 matrix@matrixlabsindia.com	30 mg capsules	60 capsules per HDPE bottle 10 capsules per Blister Pack	24 months	Store below 30°C.	\$0.042 per capsule \$31 per patient per year
		40 mg	60 tablets per bottle 90 bottles per shipper	24 months	Store below 30°C. Protect from light.	\$2.50 per bottle

World Health Organization recommended first line regimens using this ARV:

Adults:

First line : d4T + 3TC or FTC + NVP or EFV

Alternate first line : d4T + 3TC or FTC + TDF or ABC

Adult Daily Dosage:

30 mg twice daily for patients in combination with other antiretroviral agents

Pediatric Daily Dosage:

Birth to 13 days old: 0.5 mg/kg/dose every 12 hours
14 days old and ≤ 30 kg: 1 mg/kg/dose every 12 hours

Children:

*d4T + 3TC + NVP when child < 3 years or < 10 kg

*d4T + 3TC + EFV when child > 3years

Alternate first line: d4T + 3TC + ABC

* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

TENOFOVIR DISOPROXIL FUMARATE (TDF)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Originator Product						
Viread® (WHO prequalified) (FDA approved)	Gilead Sciences, Inc. 333 Lakeside Drive Foster City, California 94404 USA Tel: +1-650-574-3000 Fax: +1-650-522-5870 E-mail: ARVaccess@gilead.com www.gilead.com	300 mg tablet	30 tablets per HDPE bottle	36 months	Store at 25°C. Excursions to 15– 30°C permitted.	\$1.00 per tablet \$365 per patient per year
Tenofovir (FDA tentatively approved)	Matrix Laboratories Limited 1-1-151/1, 4th Floor Sai Ram Towers Alexander Road Secunderabad – 500 003 Phone: +91-40-27700363 +91-40-66327722 Fax : +91-40-27700343 matrix@matrixlabsindia.com	300 mg tablet	30 count CRC HDPE bottles 100 count non-CRC HDPE bottles Blister packs of 20's (2 x 10)	24 months	Store below 39°C.	\$0.546 per tablet \$199 per patient per year

<p>World Health Organization recommended first line regimens using this ARV:</p> <p>Adults:</p> <p>First line: TDF + FTC or 3TC + EFV or NVP Alternate first line: TDF + 3TC or FTC + AZT or d4T Second line: TDF + PI/r + ABC or 3TC (± AZT)</p> <p>***PI/r = ATV/r, FPV/r IDV/r LPV/r SQV/r</p>	<p>Adult Daily Dosage: 300 mg daily</p>	<p>Pediatric Daily Dosage: The safety and effectiveness of tenofovir in pediatric patients has not been established.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

ZIDOVUDINE (ZDV) (AZT)

NRTI

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**	
Originator Product							
Retrovir® (WHO prequalified) (FDA approved)	GlaxoSmithKline Wellcome Foundation Dartford, Kent Tel: +44 20 8990 9000 Fax: +44 20 8990 4321 www.gsk.com	100 mg capsule	100 capsules per HDPE bottle	60 months	Store at 15–25°C (59–77°F). Protect from moisture.	\$0.122 per capsule \$89 per patient per year	
		250 mg capsule	40 capsules per blister pack	60 months	Do not store above 30°C. Store in the original package.	\$0.276 per capsule	
		GlaxoSmithKline Ware, Hertfordshire, UK	300 mg tablet	60 tablets per HDPE bottle	60 months	Store at 15–25°C (59–77°F).	\$0.221 per tablet \$161 per patient per year
		GlaxoSmithKline Catalytica Pharm, Inc. Greenville, USA 5 Moore Drive PO Box 13398 Research Triangle Park, NC 27709 USA Tel: +1 888 825 5249	10 mg/mL infusion	20 mL amber glass vial 10 vials per tray	36 months	Store vials at 15–25°C (59–77°F). Protect from light.	\$0.032 per mL \$234 per person per year
		GlaxoSmithKline Wellcome Foundation, Uxbridge, Middlesex UK GlaxoSmithKline 7333 Mississauga Road North Mississauga, Ontario L5N 6L4 Canada Tel: +1-905-819-3000	50 mg/5 mL oral solution	240 mL amber glass bottle	24 months	Store at 15–25°C (59–77°F).	\$0.036 per mL \$223 per patient per year

continued ZIDOVUDINE (ZDV) (AZT)

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Generic Products						
Zido-H	Hetero Drugs Ltd. Genex Pharma 166/7/1, Erragadda, Hyderabad-500 018, (A.P) India Tel: +91 40 2370 4923/24/25 Fax: +91 40 2370 4926, 23714250 www.heterodrugs.com www.genxpharma.com	300 mg tablets	60 capsules per HDPE bottle 10 capsules per blister pack		Do not store above 30°C.	\$0.150 per capsule \$110 per patient per year
Zidovir® (WHO prequalified)	Cipla Ltd. Mumbai Central Mumbai-400 008, India Tel: +91 22 2308 2891 2309 5521 Fax: +91 22 2307 0013 +91 22 2307 0393 www.cipla.com	100 mg capsules	1,000 capsules per bottle Shipping carton: 10 bottles per inner carton	24 months	Protect capsules from light and moisture. Store between 20–25°C.	\$0.075 per capsule
Zidovir® (continued) (WHO prequalified)	Cipla Ltd. (continued)	300 mg tablets	10 tablets per blister strip 60 tablets per bottle Shipping carton: 30 strips per inner carton 320 packs per shipping carton Dimensions: .455 x .320 x .255 m Volume: .037 m ³ Weight: 16.85 kg	24 months	Protect capsules from light and moisture. Store between 15–25°C.	\$0.142 per tablet \$104 per patient per year
		50 mg/5 mL oral solution	100 mL PET bottle with syringe	24 months	Do not store above 30°C.	\$0.014 per mL \$102 per patient per year
Zidovudina (WHO)	Combino Pharm Finaf 92 Barbara del Valles	100 mg capsule	100 capsules per aluminum strip	36 months	Do not store above 30°C.	

continued ZIDOVUDINE (ZDV) (AZT)

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
prequalified)	Medea SA Barcelona, Spain www.combino-pharm.es	250 mg capsule	40 or 300 capsules per PVC/aluminum blister pack	36 months	Do not store above 30°C.	
		300 mg capsule	60 or 300 capsules per PVC/aluminum blister pack	36 months	Do not store above 30°C.	\$0.39 per capsule \$285 per patient per year
		50 mg/5 mL oral solution	200 mL PET bottle plus 10 mL syringe	36 months	Do not store above 30°C.	\$0.021 per mL \$130 per patient per year
Zidovudine (FDA approved)	Roxane Laboratories, Inc. Boehringer Ingelheim P.O. Box 16532 Columbus, OH 43216 Tel: +1 800 962 8364 Fax: +1 614 279 5517 www.roxane.com	300 mg tablets	60 tablets per bottle/blister pack 10 bottles per inner carton 100 bottles per case		Store at 68–77°F.	
Zidovex (WHO prequalified – tablet only) (FDA approved)	Aurobindo Pharma Ltd. Unit III, Survey No. 313, Bachupally Village, Quthubullapur Mandal Hyderabad – 500 072 Andhra Pradesh, India Tel: +91 40 5572 5000 Fax: +91 40 2374 1080 / 2374 6883 www.aurobindo.com	300 mg tablets	60 tablets per HDPE container	24 months	Do not store above 25°C. Store in original package.	\$0.16 per tablet \$117 per patient per year
		50 mg/5 mL oral solution	240 mL HDPE bottle 20 mL measuring cup	24 months	Store below 25°C. Keep bottle tightly closed.	\$0.013 per mL \$95 per patient per year
		100 mg capsule	100 HDPE container	24 months	Do not store above 25°C.	\$0.110 per capsule

Brand Name	Manufacturer	Strength/Form	Packaging & Shipping Information*	Shelf Life	Storage Conditions	Price**
Viro-Z (WHO prequalified) (FDA approved)	Ranbaxy Laboratories Ltd. Dewas, India 19 Nehru Place New Delhi-10019, India Tel: +91 11 26452666 72 Fax: +91 11 26002076 www.ranbaxy.com	300 mg tablets	60 or 100 tablets per blister packs 60 tablets per blister pack 720 tablets per inner carton 7,200 tablets per shipping carton Shipping carton: Dimensions: 0.49 x 0.36 x 0.23 m Volume: 0.0406 m ³ Weight: 7.85 kg	24 months	Do not store above 20–25°C.	\$0.1500 per tablet \$115 per patient per year

<p>World Health Organization recommended first line regimens using this ARV:</p> <p>Adults: First line: AZT + 3TC or FTC + EFV or NVP Alternate first line: AZT + 3TC or FTC + TDF or ABC</p> <p>Children: AZT + 3TC + NVP or EFV</p>	<p>Adult Daily Dosage:</p> <p>Tablets: 600 mg per day in divided dose in combination with other antiretroviral agents</p> <p>Infusion: Infuse 1 mg over 1 hour. Administer dose 5 to 6 times daily (5 to 6 mg/kg daily).</p>	<p>Pediatric Daily Dosage (according to GSK):</p> <p>Birth to 6 weeks: 2 mg/kg orally every 6 hours starting within 12 hours after birth and continuing through 6 weeks of age</p> <p>6 weeks to 12 yrs: 160 mg/m² every 8 hours</p> <p>Do not exceed 200 mg for any individual dose.</p>
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* Price, packaging, and shipping information will vary according to contract specifications.

** Source: Médecins Sans Frontières. July 2007. *Untangling the Web of Price Reductions*. Geneva: Médecins Sans Frontières.

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