

Pregnancy Registry. There is a pregnancy registry for women who take antiretroviral medicines during pregnancy. The purpose of this registry is to collect information about the health of you and your baby. Talk to your healthcare provider about how you can take part in this registry.

- are breastfeeding or plan to breastfeed. **Do not breastfeed if you take abacavir tablets.**
- You should not breastfeed if you have HIV-1 because of the risk of passing HIV-1 to your baby.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Some medicines interact with abacavir tablets. **Keep a list of your medicines to show your healthcare provider and pharmacist.** You can ask your healthcare provider or pharmacist for a list of medicines that interact with abacavir tablets. **Do not start taking a new medicine without telling your healthcare provider.** Your healthcare provider can tell you if it is safe to take abacavir tablets with other medicines.

You should not take abacavir tablets if you also take:

- abacavir (EPZICOM, TRIUMEQ, or TRIZIVIR)

Tell your healthcare provider if you take:

- any other medicine to treat HIV-1
- methadone

How should I take abacavir tablets?

- **Take Abacavir tablets exactly as your healthcare provider tells you** Do not change your dose or stop taking abacavir tablets without talking with your healthcare provider. If you miss a dose of abacavir tablets, take it as soon as you remember. Do not take 2 doses at the same time. If you are not sure about your dosing, call your healthcare provider.
- Stay under the care of a healthcare provider while taking abacavir tablets.
- Abacavir tablets may be taken with or without food.
- For children aged 3 months and older, your healthcare provider will prescribe a dose of abacavir tablets based on your child's body weight.
- Tell your healthcare provider if you or your child has trouble swallowing tablets. Abacavir tablets comes as a tablet or as a liquid (oral solution).
- Do not run out of abacavir tablets. The virus in your blood may increase and the virus may become harder to treat. When your supply starts to run out, get more from your healthcare provider or pharmacy.
- If you take too much abacavir tablets, call your healthcare provider or go to the nearest hospital emergency room right away.

What are the possible side effects of abacavir tablets?

- **Abacavir tablets can cause serious side effects including**
- **See "What is the most important information I should know about abacavir tablets?"**
- **Changes in immune system (Immune Reconstitution Syndrome).** Can happen when your start taking HIV-1 medicines. Your immune system may get stronger and begin to fight infections that have been hidden in your body for a long time. Tell your healthcare provider right away if you start having new symptoms after you start taking abacavir tablets.
- **Changes in body fat** can happen in people who take HIV-1 medicines. These changes may include an increased amount of fat in the upper back and neck ("buffalo hump"), breast, and around the middle of your body (trunk). Loss of fat from the legs, arms, and face may also happen. The exact cause and long-term health effects of these conditions are not known.
- **Heart attack (myocardial infarction).** Some HIV medicines including Abacavir tablets may increase your risk of heart attack.

The most common side effects of Abacavir tablets in adults include:

- nausea
- headache
- generally not feeling well
- tiredness
- vomiting
- bad dreams or sleep problems

The most common side effects of Abacavir tablets in children include:

- fever and chills
- nausea
- vomiting
- rash
- ear, nose, or throat infections

Tell your healthcare provider if you have any side effect that bothers you or that does not go away.

These are not all the possible side effects of abacavir tablets. For more information, ask your healthcare provider or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store abacavir tablets?

- Store abacavir tablets at room temperature, between 68°F to 77°F (20°C to 25°C).

Keep abacavir tablets and all medicines out of the reach of children.

General information for safe and effective use of abacavir tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guides. Do not use abacavir tablets for a condition for which it was not prescribed. Do not give abacavir tablets to other people, even if they have the same symptoms that you have. It may harm them.

If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for the information about abacavir tablets that is written for healthcare professionals.

For more information call Strides Pharma Inc. at 1-877-244-9825 or go to www.stridesshasun.com or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

What are the ingredients in abacavir tablets?

Active ingredient: abacavir sulfate

Inactive ingredients:

colloidal silicon dioxide, magnesium stearate, microcrystalline cellulose and sodium starch glycolate. The tablets are coated with Opadry Yellow that is made of Hypromellose, Macrogl/PEG, yellow iron oxide and titanium dioxide. This Medication Guide has been approved by the US Food and Drug Administration.

EPZICOM®, TRIUMEQ®, TRIZIVIR®, and ZIAGEN® are registered trademarks of their respective owners and are not trademarks of Strides Shasun Ltd. The makers of these brands are not affiliated with and do not endorse Strides Shasun Ltd. or its products

Manufactured by:
Strides Shasun Limited
Bengaluru - 560076, India

Distributed by:
Strides Pharma Inc.
East Brunswick, NJ 08816, USA

Revised: 08/2016

Data

Human data: Based on prospective reports from the Antiretroviral Pregnancy Registry of over 2,000 exposures to abacavir during pregnancy resulting in live births (including over 900 exposed in the first trimester), there was no difference between abacavir and overall birth defects compared with the background birth defect rate of 2.7% in the US reference population of the MACOP. The prevalence of defects in the first trimester was 3.0% (95% CI: 2.0% to 4.4%).

Animal Data: Studies in pregnant rats showed that abacavir is transferred to the fetus through the placenta. Fetal malformations (increased incidences of fetal anasarca and skeletal malformations) and developmental toxicity (depressed fetal body weight and reduced crown-rump length) were observed in rats at a dose which produced 35 times the human exposure, based on AUC. Embryonic and fetal toxicities (increased resorptions, decreased fetal body weights) and toxicities to the offspring (increased incidence of stillbirth and lower body weights) occurred at half of the above-mentioned dose in separate fertility studies conducted in rats. In the rabbit, no developmental toxicity and no increases in fetal malformations occurred at doses that produced 8.5 times the human exposure at the recommended dose based on AUC.

8.2 Lactation

Risk Summary

The Centers for Disease Control and Prevention recommend that HIV-1-infected mothers in the United States not breastfeed their infants to avoid risking postnatal transmission of HIV-1 infection. Because of the potential for HIV-1 transmission, mothers should be instructed not to breastfeed.

8.4 Pediatric Use

The safety and effectiveness of abacavir have been established in pediatric patients aged 3 months and older. Use of abacavir is supported by pharmacokinetic trials and evidence from adequate and well-controlled trials of abacavir in adults and pediatric patients (see Dosage and Administration (2.2), Adverse Reactions (6.2), Clinical Pharmacology (12.3), Clinical Studies (14.2)).

8.5 Geriatric Use

Clinical studies of abacavir did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. In general, caution should be exercised in the administration of abacavir tablets in elderly patients, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

8.6 Patients with Impaired Hepatic Function

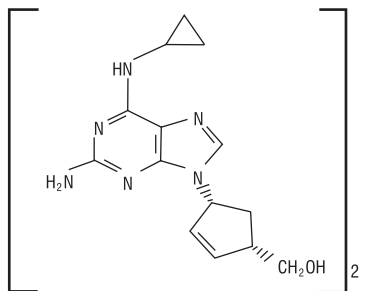
A dose reduction is required for patients with mild hepatic impairment (Child-Pugh Class A) (see Dosage and Administration (2.4)). The safety, efficacy, and pharmacokinetics of abacavir have not been established in patients with moderate or severe hepatic impairment; therefore, abacavir is contraindicated in these patients (see Contraindications (4), Clinical Pharmacology (12.3)).

10. OVERDOSE

There is no known specific treatment for overdose with abacavir. If overdose occurs, the patient should be monitored and standard supportive treatment applied as required. It is not known whether abacavir can be removed by peritoneal dialysis or hemodialysis.

11. DESCRIPTION

Abacavir sulfate is a synthetic carboxylic nucleoside analogue with inhibitory activity against HIV-1. The chemical name of abacavir sulfate is (S)-[3-(4-[[2-amino-6-(cyclopropylamino)-9H-purin-9-yl]-2-cyclopenten-1-ylmethyl]sulfonyl]sulfate (salt) (2:1). Abacavir sulfate is the enantiomer with (S)-4' absolute configuration on the cyclopentenyl ring. It has a molecular formula of $C_{12}H_{18}N_6O_8S_2$ and a molecular weight of 670.76 g/mol. It has the following structural formula:



Abacavir sulfate is a white to off-white solid and is soluble in water.

Abacavir tablets USP 300 mg are for oral administration. Each tablet contains abacavir sulfate equivalent to 300 mg of abacavir as active ingredient and the following inactive ingredients: colloidal silicon dioxide, magnesium stearate, microcrystalline cellulose and sodium starch glycolate. The tablets are coated with Opadry Yellow that is made of Hypromellose, Macrogl/PEG, yellow iron oxide and titanium dioxide.

In vivo, abacavir sulfate dissociates to its free base, abacavir. Dosages are expressed in terms of abacavir.

12. CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Abacavir is an antiretroviral agent [see Microbiology (12.4)].

12.2 Pharmacokinetics

Pharmacokinetics in Adults

The pharmacokinetics of abacavir were independent of dose over the range of 300 to 1,200 mg per day.

Absorption and Bioavailability: Following oral administration, abacavir is rapidly absorbed and extensively distributed. The geometric mean absolute bioavailability of the tablet was 85%. Plasma abacavir AUC was similar following administration of the oral solution and tablets. After oral administration of 300 mg twice daily in 20 subjects, the steady-state peak serum abacavir concentration (C_{max}) was 3.0 ± 0.89 mgc per mL (mean \pm SD) and AUC_{0-24} was 6.02 ± 1.73 mcg-hour per mL. After oral administration of a single dose of 600 mg of abacavir in 20 subjects, C_{max} was 4.26 ± 1.19 mgc per mL (mean \pm SD) and AUC was 11.95 ± 2.51 mcg-hour per mL.

Distribution: The apparent volume of distribution after IV administration of abacavir was 0.86 ± 0.15 L per kg, suggesting that abacavir distributes into extravascular space. In 3 subjects, the CSF AUC_{0-24} to plasma abacavir AUC $_{0-24}$ ratio ranged from 27% to 33%.

Binding of abacavir to human plasma proteins: Abacavir is approximately 50% bound to human plasma proteins. Total blood and plasma drug-related radioactivity concentrations are identical, demonstrating that abacavir readily distributes into erythrocytes.

Metabolism and Elimination: In humans, abacavir is not significantly metabolized by cytochrome P450 enzymes. The primary routes of elimination of abacavir are metabolism by alcohol dehydrogenase to form the 5'-carboxylic acid and glucuronidation to form the 5'-glucuronide. The metabolites do not have antiviral activity. In vitro experiments reveal that abacavir does not inhibit human CYP3A4, CYP2D6, or CYP2C9 activity or clinically relevant concentrations.

Elimination of abacavir was quantified in a mass balance trial following administration of a 600-mg dose of ^{14}C -abacavir. 99% of the radioactivity was recovered, 1.2% was excreted in the urine as abacavir, 30% as the 5'-carboxylic acid metabolite, 36% as the 5'-glucuronide metabolite, and 15% as unidentified minor metabolites in the urine. Fecal elimination accounted for 16% of the dose.

In single-dose trials, the observed elimination half-life ($t_{1/2}$) was 1.54 ± 0.53 hours. After intravenous administration, total clearance was 0.80 ± 0.24 L per hour per kg (mean \pm SD).

Effects of Food on Oral Absorption

Bioavailability of abacavir tablets was assessed in the fasting and fed states with no significant difference in systemic exposure (AUC_{0-24}); therefore, abacavir tablets may be administered with or without food. Systemic exposure to abacavir was comparable after administration of abacavir tablets. Therefore, these products may be used interchangeably.

Special Populations

Renal Impairment: The pharmacokinetics of abacavir have not been determined in patients with impaired renal function. Renal excretion of unchanged abacavir is a minor route of elimination in humans.

Hepatic Impairment: The pharmacokinetics of abacavir have been studied in subjects with mild hepatic impairment (Child-Pugh Class A). Results showed that there was a mean increase of 8% in the abacavir AUC and an increase of 58% in the half-life of abacavir after a single dose of 600 mg of abacavir. The AUCs of the metabolites were not modified by mild liver disease; however, the rates of formation and elimination of the metabolites were decreased (see Contraindications (4), Use in Specific Populations (6.6)).

Pediatric Patients: The pharmacokinetics of abacavir have been studied after either single or repeat doses of abacavir in pediatric subjects. Subjects receiving abacavir oral solution according to the recommended dosage regimen achieved plasma concentrations of abacavir similar to adults. Subjects receiving abacavir oral tablets achieved higher plasma concentrations of abacavir than subjects receiving oral solution.

Geriatric Patients: The pharmacokinetics of abacavir have not been studied in subjects older than 65 years. **Gender:** A population pharmacokinetic analysis in HIV-1-infected male ($n = 30$) and female ($n = 67$) subjects showed no gender differences in abacavir AUC normalized for lean body weight.

Race: There are no significant or clinically relevant racial differences between blacks and whites in abacavir pharmacokinetics.

Drug Interactions

In human liver microsomes, abacavir did not inhibit cytochrome P450 isoforms (2C9, 2D6, 3A4). Based on these data, it is unlikely that clinically significant drug interactions will occur between abacavir and drugs metabolized through these pathways.

Lamivudine and/or Zidovudine: Fifteen HIV-1-infected subjects were enrolled in a crossover-designed drug interaction trial evaluating single doses of abacavir (600 mg), lamivudine (150 mg), and zidovudine (300 mg) alone or in combination. Analysis showed no clinically relevant changes in the pharmacokinetics of abacavir with the addition of lamivudine or zidovudine or the combination of lamivudine and zidovudine. Lamivudine exposure (AUC decreased 15%) and zidovudine exposure (AUC increased 10%) did not show clinically relevant changes with concurrent abacavir.

Ethanol: Abacavir has no effect on the pharmacokinetic properties of ethanol. Ethanol decreases the elimination of abacavir causing an increase in overall exposure. Due to the common metabolic pathways of abacavir and ethanol via alcohol dehydrogenase, the pharmacokinetic interaction between abacavir and ethanol was studied in 24 HIV-1-infected male subjects. Each subject received the following treatments on separate occasions: a single 600-mg dose of abacavir, 0.7 g per kg ethanol (equivalent to 5 alcoholic drinks), and abacavir 600 mg plus 0.7 g per kg ethanol. Coadministration of ethanol and abacavir resulted in a 41% increase in abacavir AUC and a 28% increase in abacavir $t_{1/2}$. Abacavir had no effect on the pharmacokinetic properties of ethanol, so no clinically significant interaction is expected in men. This interaction has not been studied in females.

Methadone: In a trial of 11 HIV-1-infected subjects receiving methadone-maintenance therapy (40 mg and 90 mg daily, with 500 mg of abacavir twice daily twice the currently recommended dose), oral methadone clearance increased 22% (95% CI: 14% to 42%). This alteration will not result in a methadone dose modification in the majority of patients; however, an increased methadone dose may be required in a small number of patients (see Drug Interactions (7)). The addition of methadone had no clinically significant effect on the pharmacokinetic properties of abacavir.

12.4 Microbiology

Abacavir is a carboxylic synthetic nucleoside analogue. Abacavir is competing with cellular enzymes to the active metabolite, carboxy triphosphate (CBV-TP), an analogue of deoxyguanosine-5-triphosphate (dGTP). CBV-TP inhibits the activity of HIV-1 reverse transcriptase (RT) both by being converted with the natural substrate dGTP and by its incorporation into viral DNA.

Antiviral Activity

The antiviral activity of abacavir against HIV-1 was assessed in a number of cell lines including primary monocytemacrophages and peripheral blood mononuclear cells (PBMCs). EC_{50} values ranged from 3.7 to 5.8 micromol (1 micromol = 0.28 mg per mL) and 0.07 to 0.1 micromol against HIV-1_{AD8} and HIV-1_{92BR}, respectively, and the mean EC_{50} value was 0.26 ± 0.18 micromol against 8 clinical isolates. The median EC_{50} values of abacavir were 344 nM (range: 14.8 to 676 nM), 16.8 nM (range: 5.9 to 27.9 nM), 8.1 nM (range: 1.5 to 16.7 nM), 355 nM (range: 35.7 to 366 nM), 105 nM (range: 28.1 to 168 nM), 47.6 nM (range: 5.2 to 200 nM), 51.4 nM (range: 7.1 to 177 nM), and 282 nM (range: 22.4 to 588 nM) against HIV-1 clades A-S and group O viruses ($n = 3$ except $n = 2$ for clade B), respectively. The EC_{50} values against HIV-2 isolates ($n = 4$), ranged from 0.024 to 0.49 micromol. The antiviral activity of abacavir in cell culture was not antagonized when combined with the nucleoside reverse transcriptase inhibitors (NRTIs) didanosine, emtricitabine, lamivudine, stavudine, tenofovir, zalcitabine or zidovudine, the non-nucleoside reverse transcriptase inhibitor (NNRTI) nevirapine, or the protease inhibitor (PI) amprenavir. Ribavirin (50 micromol) used in the treatment of chronic HCV infection had no effect on the anti-HIV-1 activity of abacavir in cell culture.

Resistance

HIV-1 isolates with reduced susceptibility to abacavir have been selected in cell culture. Genotypic analysis of isolates selected in cell culture and recovered from abacavir-treated subjects demonstrated that amino acid substitutions K65R, L74V, Y115F, and M184V emerged in HIV-1 RT M184V or I substitutions resulted in an approximately 2-fold decrease in susceptibility to abacavir. Substitutions K65R, L74M, or Y115F with M184V or I conferred a 7- to 8-fold reduction in abacavir susceptibility, and combinations of three substitutions were required to confer more than an 8-fold reduction in susceptibility.

Thirty-nine percent (7 of 18) of the isolates from subjects who experienced virologic failure in the abacavir once-daily arm had a greater than 2.5-fold mean decrease in abacavir susceptibility with a median-fold decrease of 1.3 (range: 0.5 to 11) compared with 29% (5 of 17) of the failure isolates in the twice-daily arm with a median-fold decrease of 0.92 (range: 0.7 to 1.3).

Cross-Resistance

Cross-resistance has been observed among NRTIs. Isolates containing abacavir resistance-associated substitutions, namely, K65R, L74V, Y115F, and M184V exhibited cross-resistance to didanosine, emtricitabine, lamivudine and tenofovir in cell culture and in subjects. An increasing number of thymidine analogue mutations substitutions (TAMs: M41L, D67N, K70R, L210W, T215Y, K219R/R/H/Q/N) is associated with a progressive reduction in abacavir susceptibility.

13. NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Abacavir was administered orally at 3 dosage levels to separate groups of mice and rats in 2-year carcinogenicity studies. Results showed an increase in the incidence of malignant and non-malignant tumors. Malignant tumors occurred in the preputial gland of males and the clitoral gland of females of both species, and in the liver of female rats. In addition, non-malignant tumors also occurred in the liver and thyroid gland of female rats. These observations were made at systemic exposures in the range of 6 to 32 times the human exposure at the recommended dose of 600 mg.

Mutagenesis

Abacavir induced chromosomal aberrations both in the presence and absence of metabolic activation in an *in vitro* cytogenetic study in human lymphocytes. Abacavir was mutagenic in the absence of metabolic activation, although it was not mutagenic in the presence of metabolic activation in an L5178Y mouse lymphoma assay. Abacavir was clastogenic in mice and not clastogenic in females in an *in vivo* mouse bone marrow micronucleus assay.

Abacavir was not mutagenic in bacterial mutagenicity assays in the presence and absence of metabolic activation.

Impairment of Fertility

Abacavir did not affect male or female fertility in rats at a dose associated with exposures approximately 8 times higher than the exposure in humans at the dose of 600 mg.

13.2 Animal Toxicology and/or Pharmacology

Myocardial degeneration was found in mice and rats following administration of abacavir for 2 years. The systemic exposures were equivalent to 1 to 24 times the expected systemic exposure in humans at a dose of 600 mg. The clinical relevance of this finding has not been determined.

14. CLINICAL STUDIES

14.1 Adult Trials

Therapy-naïve Adults

UNA30002 was a multicenter, double-blind, controlled trial in which 649 HIV-1-infected, therapy-naïve adults were randomized and received either abacavir (300 mg twice daily), lamivudine (150 mg twice daily), and efavirenz (600 mg once daily), or zidovudine (300 mg twice daily), lamivudine (150 mg twice daily), and efavirenz (600 mg once daily). The duration of double-blind treatment was at least 48 weeks; trial participants were male (81%), white (51%), black (21%), and Hispanic (26%). The median age was 35 years; the median pretreatment CD4⁺ cell count was 264 cells per mm³, and median plasma HIV-1 RNA was 4.79 log₁₀ copies per mL. The outcomes of randomized treatment are provided in Table 7.

Table 7. Outcomes of Randomized Treatment through Week 48 (UNA30002)

Outcome	Abacavir plus Lamivudine plus Efavirenz (n=324)	Zidovudine plus Lamivudine plus Efavirenz (n=325)
Responders ^a	69% (73%)	69% (71%)
Virologic failures ^b	6%	4%
Discontinued due to adverse reactions ^c	14%	16%
Discontinued due to other reasons ^d	10%	11%

^a Subjects achieved and maintained confirmed HIV-1 RNA less than or equal 50 copies per mL (less than 400 copies per mL) through Week 48 (Roche AMPLICOR UltraSensitive HIV-1 MONITOR® standard test 1.0 PCR).

^b Includes viral rebound, insufficient viral response according to the investigator, and failure to achieve confirmed less than or equal 50 copies per mL by Week 48.

^c Includes consent withdrawn, lost to follow-up, protocol violations, those with missing data, clinical progression, and other.

After 48 weeks of therapy, the median CD4⁺ cell count increases from baseline were 209 cells per mm³ in the group receiving abacavir and 155 cells per mm³ in the zidovudine group. Through Week 48, 8 subjects (2%) in the group receiving abacavir (4 CDC classification C events and 3 deaths) and 5 subjects (2%) on the zidovudine arm (3 CDC classification C events and 2 deaths) experienced clinical disease progression.

UNA3005 was a multicenter, double-blind, controlled trial in which 562 HIV-1-infected, therapy-naïve adults were randomized to receive either abacavir (300 mg twice daily) plus COMBIVIR® (lamivudine 150 mg/ zidovudine 300 mg twice daily), or indinavir (800 mg 3 times a day) plus COMBIVIR twice daily. The trial was stratified by randomization by pre-entry plasma HIV-1 RNA: 10,000 to 100,000 copies per mL, and plasma HIV-1 RNA greater than 100,000 copies per mL. Trial participants were male (87%), white (73%), black (15%), and Hispanic (8%). At baseline the median age was 36 years, the median baseline CD4⁺ cell count was 360 cells per mm³, and median baseline plasma HIV-1 RNA was 4.8 log₁₀ copies per mL. The median plasma HIV-1 RNA was 4.89 log₁₀ copies per mL (range: 2.69 to 6.99 log₁₀ copies per mL).

Table 8. Outcomes of Randomized Treatment through Week 48 (UNA3005)

Outcome	Abacavir plus Lamivudine/ Zidovudine (n=282)	Indinavir plus Lamivudine/ Zidovudine (n=285)
Responders ^a	49%	50%
Virologic failures ^b	31%	28%
Discontinued due to adverse reactions ^c	10%	12%
Discontinued due to other reasons ^d	11%	10%

^a Subjects achieved and maintained confirmed HIV-1 RNA less than 400 copies per mL.

^b Includes viral rebound and failure to achieve confirmed less than 400 copies per mL by Week 48.

^c Includes consent withdrawn, lost to follow-up, protocol violations, those with missing data, clinical progression, and other.

Treatment response by plasma HIV-1 RNA strata is shown in Table 9.

Table 9. Proportions of Responders through Week 48 By Screening Plasma HIV-1 RNA Levels (UNA3005)

Screening HIV-1 RNA (copies/mL)	Abacavir plus Lamivudine/ Zidovudine (n=282)	Indinavir plus Lamivudine/ Zidovudine (n=285)
<400 copies/mL	n	n
≥10,000	50%	48%
≤100,000	166	165
>100,000	48%	52%
	96	100

In subjects with baseline viral load greater than 100,000 copies per mL, percentages of subjects with HIV-1 RNA levels less than 50 copies per mL were 31% in the group receiving abacavir versus 45% in the group receiving indinavir.

Through Week 48, an overall mean increase in CD4⁺ cell count of about 150 cells/mm³ was observed in both treatment arms. Through Week 48, 9 subjects (3.4%) in the group receiving abacavir (6 CDC classification C events and 3 deaths) and 3 subjects (1.5%) in the group receiving indinavir (2 CDC classification C events and 1 death) experienced clinical disease progression.

UNA30021 was an international, multicenter, double-blind, controlled trial in which 770 HIV-1-infected, therapy-naïve adults were randomized and received either abacavir (300 mg once daily or abacavir 300 mg twice daily, both in combination with lamivudine 300 mg once daily and efavirenz 600 mg once daily. The double-blind treatment duration was at least 48 weeks. Trial participants had a mean age of 37 years; were male (81%), white (54%), black (27%), and American Hispanic (15%). The median baseline CD4⁺ cell count was 262 cells per mm³ (range: 21 to 918 cells per mm³) and the median baseline plasma HIV-1 RNA was 4.89 log₁₀ copies per mL (range: 2.69 to 6.99 log₁₀ copies per mL).

The outcomes of randomized treatment are provided in Table 10.

Table 10. Outcomes of Randomized Treatment through Week 48 (UNA30021)

Outcome	Abacavir tablets 600 mg q.d. plus EPVIR plus Efavirenz (n=384)	Abacavir tablets 300 mg b.i.d. plus EPVIR plus Efavirenz (n=386)
Responders ^a	64% (71%)	65% (72%)
Virologic failures ^b	11% (5%)	11% (5%)
Discontinued due to adverse reactions ^c	13%	11%
Discontinued due to other reasons ^d	11%	13%

^a Subjects achieved and maintained confirmed HIV-1 RNA less than 50 copies per mL (less than 400 copies per mL) through Week 48 (Roche AMPLICOR UltraSensitive HIV-1 MONITOR