# CENTER FOR DRUG EVALUATION AND RESEARCH

Application Number 21-077

# FINAL PRINTED LABELING

Exhibit 1030 IPR2017-00807 ARGENTUM

2

7

8

9 10

11 12

13 14

15

16 17

18

19 20 ·

21 22

23 24

25

26

27

28

29

PRODUCT INFORMATION

## ADVAIR™ DISKUS® 100/50

3 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

## 4 5 ADVAIR™ DISKUS® 250/50

6 (fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder)

# ADVAIR™ DISKUS® 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

\*As salmeterol xinafoate salt 72.5 mcg, equivalent to salmeterol base 50 mcg

### FOR ORAL INHALATION ONLY

DESCRIPTION: ADVAIR DISKUS 100/50, ADVAIR DISKUS 250/50, and ADVAIR DISKUS 500/50 are combinations of fluticasone propionate and salmeterol xinafoate.

One active component of ADVAIR DISKUS is fluticasone propionate, a corticosteroid having the chemical name S-(fluoromethyl)6\alpha,9-diffuoro-11\beta,17-dihydroxy-16\alpha-methyl-3-oxoandrosta-1,4-diene-17\beta-carbothioate, 17-propionate and the following chemical structure:

Fluticasone propionate is a white to off-white powder with a molecular weight of 500.6, and the empirical formula is  $C_{23}H_{34}F_3O_5S$ . It is practically insoluble in water, freely soluble in dimethyl sulfoxide and dimethylformamide, and slightly soluble in methanol and 95% ethanol.

The other active component of ADVAIR DISKUS is salmeterol xinafoate, a highly selective beta2-adranergic bronchodilator. Salmeterol xinafoate is the racemic form of the 1-hydroxy-2-naphthoic acid salt of salmeterol. The chemical name of salmeterol xinafoate is 4-hydroxy- $\alpha^1$ -[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol, 1-hydroxy-2-naphthalenecarboxylate, and it has the following chemical structure:

ADVAIR" DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterot\* 50 mcg inhalation powder)

ADVAIR DISKUS® 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR\* DISKUS\* 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

45 <sup>-</sup>

Salmeterol xinaforte is a white to off-white powder with a molecular weight of 603.8, and the empirical formula is C<sub>29</sub>H<sub>37</sub>NO<sub>4</sub>·C<sub>11</sub>H<sub>4</sub>O<sub>3</sub>. It is freely soluble in methanol; slightly soluble in ethanol, chloroform, and isopropanol; and sparingly soluble in water.

ADVAIR DISKUS 100/50, ADVAIR DISKUS 250/50, and ADVAIR DISKUS 500/50 are specially designed plastic devices containing a double-foil blister strip of a powder formulation of fluticasone propionate and salmeterol xinafoate intended for oral inhalation only. Each blister on the double-foil strip within the device contains 100, 250, or 500 mcg of microfine fluticasone propionate and 72.5 mcg of microfine salmeterol xinafoate salt, equivalent to 50 mcg of salmeterol base, in 12.5 mg of formulation containing factose. Each blister contains 1 complete dose of both medications. After a blister containing medication is opened by activating the device, the medication is dispersed into the airstream created by the patient inhaling through the mouthpiece.

Under standardized in vitro test conditions, ADVAIR DISKUS delivers 93, 233, and 465 mog of fluticescene propionate and 45 mog of salmeterol base per blister from ADVAIR DISKUS 100/50, 250/50, and 500/50, respectively, when tested at a flow rate of 60 L/min for 2 seconds. In adult patients (n = 9) with obstructive lung disease and severely compromised lung function (mean forced expiratory volume in 1 second [FEV<sub>1</sub>] 20% to 30% of predicted), mean peak inspiratory flow (PIF) through a DISKUS<sup>®</sup> device was 80.0 L/min (range, 46.1 to 115.3 L/min).

Inhalation profiles for adolescent (n = 13, aged 12 to 17 years) and adult (n = 17, aged 18 to 50 years) patients with asthma inhaling maximally through the DISKUS device show mean PIF of 122.2 Umin (range, 81.6 to 152.1 Umin).

The actual amount of drug delivered to the lung will depend on patient factors, such as inspiratory flow profile.

#### CLINICAL PHARMACOLOGY:

Mechanism of Action: ADVAIR DISKUS: ADVAIR DISKUS is designed to produce a greater improvement in pulmonary function and symptom control than either fluticasone propionate or salmeterol used alone at their recommended dosages. Since ADVAIR DISKUS contains both fluticasone propionate and salmeterol, the mechanisms of action described below for the individual components apply to ADVAIR DISKUS. These drugs represent 2 classes of medications (a synthetic corticosteroid and a long-acting beta-adrenergic receptor agonist) that have different effects on clinical, physiological, and inflammatory indices of asthma.

66

67

68

69

70 71

72 73

74 75

76 77

78

79

80

81

82 ·

83 84

85 86

87

88

89

90

91 92

93

94

95

96

97

98 99

100

101

ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder) ADVAIR DISKUS 250/50 (fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Fluticasone Propionate: Fluticasone propionate is a synthetic, trifluorinated corticosteroid with potent anti-inflammatory activity. In vitro assays using human lung cytosol preparations have established fluticesone propionate as a human glucocorticoid receptor agonist with an affinity 18 times greater than dexamethasone, almost twice that of beclomethasone-17-monopropionate (BMP), the active metabolite of beclomethasone dipropionate, and over 3 times that of budesonide. Data from the McKenzie vasoconstrictor assay in man are consistent with these results.

The precise mechanisms of fluticasone propionate action in asthma are unknown, inflammation is recognized as an important component in the pathogenesis of asthma. Corticosteroids have been shown to inhibit multiple cell types (e.g., mast cells, eosinophils, basophils, lymphocytes, macrophages, and neutrophils) and mediator production or secretion (e.g., histamine, eicosanoids, leukotrienes, and cytokines) involved in the asthmatic response. These anti-inflammatory actions of corticosteroids contribute to their efficacy in asthma.

Salmeterol Xinafoate: Salmeterol is a long-acting beta-adrenergic agonist. In vitro studies and in vivo pharmacologic studies demonstrate that salmeterol is selective for beta-adrenoceptors compared with isoproterenol, which has approximately equal agonist activity on beta- and beta2-adrenoceptors. In vitro studies show salmeterol to be at least 50 times more selective for beta2-adrenoceptors than albuterol. Although beta2-adrenoceptors are the predominant adrenemic receptors in bronchial smooth muscle and beta;-adrenoceptors are the predominant receptors in the heart, there are also betaz-adrenoceptors in the human heart comprising 10% to 50% of the total beta-adrenoceptors. The precise function of these receptors has not been established, but they raise the possibility that even highly selective betaz-agonists may have cardiac effects.

The pharmacologic effects of beta₂-adrenoceptor agonist drugs, including salmeterol, are at least in part attributable to stimulation of intracellular adenyl cyclase, the enzyme that catalyzes the conversion of adenosine triphosphate (ATP) to cyclic-3'.5'-adenosine monophosphate (cyclic AMP). increased cyclic AMP levels cause relaxation of bronchial smooth muscle and inhibition of release of mediators of immediate hypersensitivity from cells, especially from mast cells.

In vitro tests show that salmeterol is a potent and long-lasting inhibitor of the release of mast cell mediators, such as histamine, leukotrienes, and prostaglandin D<sub>2</sub>, from human lung. Salmeterol inhibits histamine-induced plasma protein extravasation and inhibits platelet-activating factor-induced eosinophil accumulation in the lungs of guinea pigs when administered by the inhaled route. In humans, single doses of salmeterol administered via inhalation aerosol attenuate altergen-induced bronchial hyper-responsiveness. Pharmacokinetics: ADVAIR DISKUS: Following administration of ADVAIR DISKUS to healthy subjects, peak plasma concentrations of fluticasone propionate were achieved in 1 to 2 hours and

In a single-dose crossover study, a higher than recommended dose of ADVAIR DISKUS was administered to 14 healthy subjects. Two inhalations of the following treatments were administered:

those of salmeterol were achieved in about 5 minutes.

119 -

# ADVAIR® DISKUS® 100/50 (fluticasone propionate 100 mcg and salmeterol® 50 mcg inhalation powder) ADVAIR® DISKUS® 250/50 (fluticasone propionate 250 mcg and salmeterol® 50 mcg inhalation powder ADVAIR® DISKUS® 500/50 (fluticasone propionate 500 mcg and salmeterol® 50 mcg inhalation powder)

ADVAIR DISKUS 500/50, fluticasone propionate powder 500 mcg and salmeterol powder 50 mcg given concurrently, and fluticasone propionate powder 500 mcg alone. Mean peak plasma concentrations of fluticasone propionate averaged 107, 94, and 120 pg/mL, respectively; those for salmeterol averaged 200 and 150 pg/mL, respectively, indicating no significant changes in systemic exposures of fluticasone propionate and salmeterol.

In a repeat-dose study, the highest recommended dose of ADVAIR DISKUS was administered to 45 asthmatic patients. One inhalation twice daily of the following treatments was administered: ADVAIR DISKUS 500/50, fluticasone propionate powder 500 mcg and salmeterol powder 50 mcg given concurrently, or fluticasone propionate powder 500 mcg alone. Mean peak steady-state plasma concentrations of fluticasone propionate averaged 57, 73, and 70 pg/mL, respectively, indicating no significant changes in systemic exposure of fluticasone propionate. No plasma concentrations of salmeterol were measured in this repeat-dose study.

No significant changes in excretion of fluticasone propionate or salmeterol were observed. The terminal half-life of fluticasone propionate averaged 5.33 to 7.65 hours when ADVAIR DISKUS was administered, which is similar to that reported when fluticasone propionate was given concurrently with salmeterol or when fluticasone propionate was given alone (average, 5.30 to 6.91 hours). No terminal half-life of salmeterol was reported upon administration of ADVAIR DISKUS or salmeterol given concurrently with fluticasone propionate.

Special Populations: Formal pharmacokinetic studies using ADVAIR DISKUS were not conducted to examine gender differences or in special populations, such as elderly patients or patients with hepatic or renal impairment.

Drug-Drug Interactions: In the repeat- and single-dose studies, there was no evidence of significant drug interaction in systemic exposure between fluticasone propionate and salmeterol when given as ADVAIR DISKUS.

Fluticasone Propionate: Absorption: Fluticasone propionate acts locally in the lung; therefore, plasma levels do not predict therapeutic effect. Studies using oral dosing of labeled and unlabeled drug have demonstrated that the oral systemic bioavailability of fluticasone propionate is negligible (<1%), primarily due to incomplete absorption and presystemic metabolism in the gut and liver. In contrast, the majority of the fluticasone propionate delivered to the lung is systemically absorbed. The systemic bioavailability of fluticasone propionate from the DISKUS device in healthy volunteers averages 18%.

Peak steady-state fluticasone propionate plasma concentrations in adult patients (n = 11) ranged from undetectable to 266 pg/mL after a 500-mcg twice-daily dose of fluticasone propionate inhalation powder using the DISKUS device. The mean fluticasone propionate plasma concentration was 110 pg/mL.

° 145

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol 50 mcg inhalation powder)

Distribution: Following intravenous administration, the initial disposition phase for fluticasone propionate was rapid and consistent with its high lipid solubility and tissue binding. The volume of distribution averaged 4.2 L/kg.

The percentage of fluticasone propionate bound to human plasma preteins averages 91%. Fluticasone propionate is weakly and reversibly bound to erythrocytes and is not significantly bound to human transcortin.

Metabolism: The total clearance of fluticasone propionate is high (average, 1093 mL/min), with renal clearance accounting for less than 0.02% of the total. The only circulating metabolite detected in man is the 17β-carboxylic acid derivative of fluticasone propionate, which is formed through the cytochrome P450 3A4 pathway. This metabolite had less affinity (approximately 1/2000) than the parent drug for the glucocorticoid receptor of human lung cytosol in vitro and negligible pharmacological activity in animal studies. Other metabolites detected in vitro using cultured human hepatoma cells have not been detected in man.

Elimination: Following intravenous dosing, fluticasone propionate showed polyexponential kinetics and had a terminal elimination half-life of approximately 7.8 hours. Less than 5% of a radiolabeled oral dose was excreted in the urine as metabolites, with the remainder excreted in the feces as parent drug and metabolites.

Hepatic Impairment: Since fluticesone propionate is predominantly cleared by hepatic metabolism, impairment of liver function may lead to accumulation of fluticesone propionate in plasma. Therefore, patients with hepatic disease should be closely monitored.

Gender: Full pharmacokinetic profiles were obtained from 9 female and 18 male patients given fluticasone propionate inhalation powder 500 mog twice daily using the DISKUS. No overall differences in fluticasone propionate pharmacokinetics were observed.

Special Populations: Formal pharmacokinetic studies using fluticasone propionate were not carried out in other special populations.

Drug-Drug Interactions: In a multiple-dose drug interaction study, coadministration of fluticasone propionate (500 mcg twice daily) and erythromycin (333 mg 3 times daily) did not affect fluticasone propionate pharmacokinetics. In another drug interaction study, coadministration of fluticasone propionate (1000 mcg) and ketoconazole (200 mg once daily) resulted in increased fluticasone propionate concentrations and reduced plasma cortisol area under the plasma concentration versus time curve (AUC), but had no effect on urinary excretion of cortisol. Since fluticasone propionate is a substrate of cytochrome P450 3A4, caution should be exercised when cytochrome P450 3A4 inhibitors (e.g., intonavir, ketoconazole) are coadministered with fluticasone propionate as this could result in increased plasma concentrations of fluticasone propionate.

Salmeterol Xinafoate: Salmeterol xinafoate, an ionic salt, dissociates in solution so that the salmeterol and 1-hydroxy-2-naphthoic acid (xinafoate) moieties are absorbed, distributed,

ADVAIR DISKUS 100/50
(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)
ADVAIR DISKUS 250/50
(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50
(fluticasone propionate 500 mcg and salmeteror 50 mcg inhalation powder)

metabolized, and eliminated independently. Salmeterol acts locally in the lung; therefore, plasma levels do not predict therapeutic effect.

Absorption: Because of the small therapeutic dose, systemic levels of salmeterol are low or undetectable after inhalation of recommended doses (50 mcg of salmeterol inhalation powder twice daily). Following chronic administration of an inhaled dose of 50 mcg of salmeterol inhalation powder twice daily, salmeterol was detected in plasma within 5 to 45 minutes in 7 asthmatic patients; plasma concentrations were very low, with mean peak concentrations of 167 pg/mL at 20 minutes and no accumulation with repeated doses.

Distribution: Binding of salmeterol to human plasma proteins averages 96% in vitro over the concentration range of 8 to 7722 ng of salmeterol base per milliliter, much higher concentrations than those achieved following therapeutic doses of salmeterol.

Metabolism: Salmeterol base is extensively metabolized by hydroxylation, with subsequent elimination predominantly in the feces. No significant amount of unchanged salmeterol base was detected in either urine or feces.

Elimination: In 2 healthy subjects who received 1 mg of radiolabeled salmeterol (as salmeterol xinafoate) orally, approximately 25% and 60% of the radiolabeled salmeterol was eliminated in urine and feces, respectively, over a period of 7 days. The terminal elimination half-life was about 5.5 hours (1 volunteer only).

The xinafoate moiety has no apparent pharmacologic activity. The xinafoate moiety is highly protein bound (>99%) and has a long elimination half-life of 11 days.

Special Populations: Formal pharmacokinetic studies of salmeterol base have not been conducted in special populations. Since salmeterol is predominantly cleared by hepatic metabolism, impairment of liver function may lead to accumulation of salmeterol in plasms. Therefore, patients with hepatic disease should be closely monitored.

Pharmacodynamics: ADVAIR DISKUS: Since systemic pharmacodynamic effects of salmeterol are not normally seen at the therapeutic dose, higher doses were used to produce measurable effects. Four studies were conducted in healthy subjects: (1) a single-dose crossover study using 2 inhalations of ADVAIR DISKUS 500/50, fluticasone propionate powder 500 mcg and salmeterol powder 50 mcg given concurrently, or fluticasone propionate powder 500 mcg given alone, (2) a cumulative dose study using 50 to 400 mcg of salmeterol powder given alone or as ADVAIR DISKUS 500/50, (3) a repeat-dose study for 11 days using 2 inhalations twice daily of ADVAIR DISKUS 250/50, fluticasone propionate powder 250 mcg, or salmeterol powder 50 mcg, and (4) a single-dose study using 5 inhalations of ADVAIR DISKUS 100/50, fluticasone propionate powder 100 mcg alone, or placebo. In these studies no significant differences were observed in the pharmacodynamic effects of salmeterol (pulse rate, blood pressure, QTc interval, potassium, and glucose) whether the salmeterol was given as ADVAIR DISKUS, concurrently with fluticasone propionate from separate inhalers, or as salmeterol alone. The systemic pharmacodynamic effects

1

ADVAIR® DISKUS® 100/50

(fluticasone propionate 100 mcg and salmeterol® 50 mcg inhalation powder)

ADVAIR® DISKUS® 250/50

(fluticasone propionate 250 mcg and salmeterol® 50 mcg inhalation powder

ADVAIR® DISKUS® 500/50

(fluticasone propionate 500 mcg and salmeterol® 50 mcg inhalation powder)

of salmeterol were not altered by the presence of fluticasone propionate in ADVAIR DISKUS. The potential effect of salmeterol on the effects of fluticasone propionate on the hypothalamic-pituitary-adrenal (HPA) axis was also evaluated in these studies. No significant differences across treatments were observed in 24-hour urinary cortisohexcretion and, where measured, 24-hour plasma cortisol AUC. The systemic pharmacodynamic effects of fluticasone propionate were not altered by the presence of salmeterol in ADVAIR DISKUS in healthy subjects.

in clinical studies with ADVAIR DISKUS in patients with asthma, no significant differences were observed in the systemic pharmacodynamic effects of salmeterol (pulse rate, blood pressure, QTc interval, potassium, and glucose) whether the salmeterol was given alone or as ADVAIR DISKUS. In 72 adolescent and adult patients with asthma given either ADVAIR DISKUS 100/50 or ADVAIR DISKUS 250/50, continuous 24-hour electrocardiographic monitoring was performed after the first dose and after 12 weeks of therapy, and no clinically significant dysrhythmias were noted.

In a 28-week study in patients with asthma, ADVAIR DISKUS 500/50 twice daily was compared with the concurrent use of salmeterol powder 50 mog plus fluticasone propionate powder 500 mog alone. No significant differences across treatments were observed in plasma cortisol AUC after 12 weeks of dosing or in 24-hour urinary cortisol excretion after 12 and 28 weeks.

in a 12-week study in patients with asthma, ADVAIR DISKUS 250/50 twice daily was compared with fluticasone propionate powder 250 mcg alone, salmeterol powder 50 mcg alone, and placebo. For most patients, the ability to increase cortisol production in response to stress, as assessed by 30-minute cosyntropin stimulation, remained intact with ADVAIR DISKUS. One patient (3%) who received ADVAIR DISKUS 250/50 had an abnormal response (peak serum cortisol <18 mcg/dL) after dosing, compared with 2 patients (6%) who received placebo, 2 patients (6%) who received fluticasone propionate 250 mcg, and no patients who received salmeterol.

Fluticasone Proplonate: In clinical trials with fluticasone propionate inhalation powder using doses up to and including 250 mcg twice daily, occasional abnormal short cosyntropin tests (peak serum cortisol <18 mcg/dL) were noted both in patients receiving fluticasone propionate and in patients receiving placebo. The incidence of abnormal tests at 500 mcg twice daily was greater than placebo. In a 2-year study carried out in 64 patients with mild, persistent asthma (mean FEV<sub>1</sub> 91% of predicted) randomized to fluticasone propionate 500 mcg twice daily or placebo, no patient receiving fluticasone propionate had an abnormal response to 6-hour cosyntropin infusion (peak serum cortisol <18 mcg/dL). With a peak cortisol threshold of <35 mcg/dL, one patient receiving fluticasone propionate (4%) had an abnormal response at 1 year, repeat testing at 18 months and 2 years was normal. Another patient receiving fluticasone propionate (5%) had an abnormal response at 2 years. No patient on placebo had an abnormal response at 1 or 2 years.

Salmeterol Xinafoate: Inhaled salmeterol, like other beta-adrenergic agonist drugs, can in some patients produce dose-related cardiovascular effects and effects on blood glucose and/or serum

ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder) ADVAIR DISKUS 250/50 (fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluticasone propionate 500 mcg and salmeteroff 50 mcg inhalation powder)

potassium (see PRECAUTIONS). The cardiovascular effects (heart rate, blood pressure) associated with salmeterol occur with similar frequency, and are of similar type and severity, as those noted following albuterol administration.

The effects of rising doses of salmeterol and standard inhaled doses of albuterol were studied in volunteers and in patients with asthma. Salmeterol doses up to 84 mog administered as inhalation aerosol resulted in heart rate increases of 3 to 16 beats/min, about the same as albuterol dosed at 180 mag by inhalation aerosol (4 to 10 beats/min). Adolescent and adult patients receiving 50-mag doses of salmeterol inhalation powder (n = 60) underwent continuous electrocardiographic monitoring during two 12-hour periods after the first dose and after 1 month of therapy, and no clinically significant dysrhythmias were noted.

Studies in laboratory animals (minipigs, rodents, and dogs) have demonstrated the occurrence of cardiac arrhythmias and sudden death (with histologic evidence of myocardial necrosis) when beta-agonists and methylxanthines are administered concurrently. The clinical significance of these findings is unknown.

260 261 262

263 264 .

265 266

267

268 269

270

271 272

273

274

275

276

277

278

279 280

281

282

283

247 248

249

250

251 252

253

254

255 256

257 258

259

CLINICAL TRIALS: In clinical trials comparing ADVAIR DISKUS with the individual components, improvements in most efficacy endpoints were greater with ADVAIR DISKUS than with the use of either fluticasone propionate or salmeterol alone, in addition, clinical trials showed similar results between ADVAIR DISKUS and the concurrent use of fluticasone propionate plus salmeterol at corresponding doses from separate inhalers.

Studies Comparing ADVAIR DISKUS to Fluticasone Propionate Alone or Salmeterol Alone: Three double-blind, parallel-group clinical trials were conducted with ADVAIR DISKUS in 1208 adolescent and adult patients (≥12 years, baseline FEV₁ 63% to 72% of predicted normal) with asthma that was not optimally controlled on their current therapy. All treatments were inhalation powders, given as 1 inhalation from the DISKUS device twice daily, and other maintenance therapies were discontinued.

Study 1: Clinical Trial With ADVAIR DISKUS 100/50: This placebo-controlled, 12-week, US study compared ADVAIR DISKUS 100/50 with its individual components, fluticasone propionate 100 mgg and salmeterol 50 mgg. The study was stratified according to baseline asthma maintenance therapy; patients were using either inhaled corticosteroids (n = 250) (daily doses of beclomethasone dipropionate 252 to 420 mgg, flunisolide 1000 mcg, fluticasone propionate inhalation aerosol 176 mog, or triamcinolone acetonide 600 to 1000 mog) or salmeterol (n = 106). Baseline FEV, measurements were similar across treatments: ADVAIR DISKUS 100/50, 2.17 L: fluticasone propionate 100 mcg, 2.11 L; salmeterol, 2.13 L; and placebo, 2.15 L.

Predefined withdrawal criteria for lack of efficacy, an indicator of worsening asthma, were utilized for this placebo-controlled study. Worsening asthma was defined as a clinically important decrease in FEV1 or peak expiratory flow (PEF), increase in use of VENTOLIN® (albuterol, USP) Inhalation

ADVAIR DISKUS 100/50
(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)
ADVAIR DISKUS 250/50
(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder
ADVAIR DISKUS 500/50
(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Aerosol, increase in night awakenings due to asthma, emergency intervention or hospitalization due to asthma, or requirement for asthma medication not allowed by the protocol. As shown in Table 1, statistically significantly fewer patients receiving ADVAIR DISKUS 100/50 were withdrawn due to worsening asthma compared with fluticasone propionate, salmeterol, and placebo.

Table 1: Percent of Patients Withdrawn Due to Worsening Asthma in Patients
Previously Treated With Either Inhaled Corticosteroids or Salmeterol (Study 1)

ADVAIR DISKUS	Fluticasone Propionate	Salmeterol	·
100/50	100 mcg	50 mcg	Placebo
(n = 87)	(n = 85)	(n = 86)	(n = 77)
3%	11%	35%	49%

 The FEV<sub>1</sub> results are displayed in Figure 1. Because this trial used predetermined criteria for worsening asthma, which caused more patients in the placebo group to be withdrawn, FEV<sub>1</sub> results at Endpoint (last available FEV<sub>1</sub> result) are also provided. Patients receiving ADVAIR DISKUS 100/50 had significantly greater improvements in FEV<sub>1</sub> (0.51 L, 25%) compared with fluticasone propionate 100 mcg (0.28 L, 15%), salmeterol (0.11 L, 5%), and placebo (0.01 L, 1%). These improvements in FEV<sub>1</sub> with ADVAIR DISKUS were achieved regardless of baseline asthma maintenance therapy (inhaled corticosteroids or salmeterol).

APPEARS THIS WAY
ON ORIGINAL

301 302

303

304 305

306

307

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol 60 mcg inhalation powder)

ADVAIR DISKUS 250/50

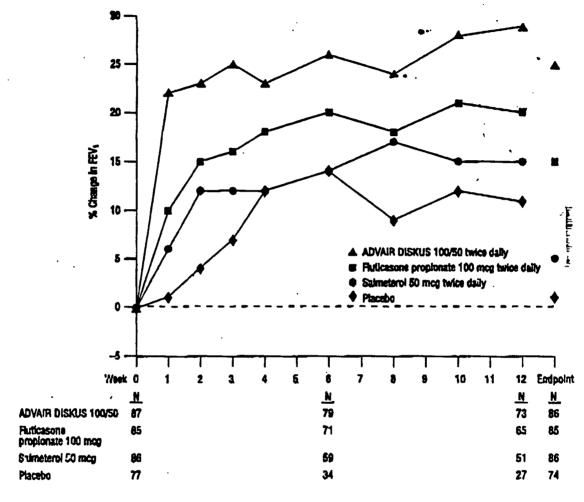
(fluticasone propionate 250 mcg and salmeterol 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol 50 mcg inhalation powder)

Figure 1: Mean Percent Change From Baseline in FEV<sub>1</sub> in Patients

Previously Treated With Either Inhaled Corticosteroids or Salmeterol (Study 1)



The effect of ADVAIR DISKUS 100/50 on moming and evening peak expiratory flow (PEF) endpoints is shown in Table 2.

APPEARS THIS WAY

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Table 2: Peak Expiratory Flow Results for Patients

Previously Treated With Either Inhaled Corticosteroids or Salmeterol (Study 1)

	ADVAIR	Fluticasone		
	DISKUS	Propionate	Salmeterol	-
	100/50	100 mcg	50 mog	Placebo
Efficacy Variable*	(n = 87)	(n = 85)	•(n = 86)	(n = 77)
AM PEF (L/min)				
Baseline	393	374	369	382
Change from baseline	53	17	-2	-24
PM PEF (Umin)				•
Baseline	418	390	396	398
Change from baseline	35	18	•7	13

<sup>\*</sup>Change from baseline = change from baseline at Endpoint (last available data).

The subjective impact of asthma on patients' perception of health was evaluated through use of an instrument called the Asthma Quality of Life Questionnaire (AQLQ) (based on a 7-point scale where 1 = maximum impairment and 7 = none). Patients receiving ADVAIR DISKUS 100/50 had clinically meaningful improvements in overall asthma-specific quality of life as defined by a difference between groups of >0.5 points in change from baseline AQLQ scores (difference in AQLQ score of 1.25 compared to placebo).

Study 2: Clinical Trial With ADVAIR DISKUS 250/50: This placebo-controlled, 12-week, US study compared ADVAIR DISKUS 250/50 with its individual components, fluticasone propionate 250 mcg and salmeterol 50 mcg in 349 patients using inhaled corticosteroids (daily doses of beclomethasone dipropionate 462 to 672 mcg, flunisolide 1250 to 2000 mcg, fluticasone propionate inhalation aerosol 440 mcg, or triamcinolone acetonide 1100 to 1600 mcg). Baseline FEV<sub>1</sub> measurements were similar across treatments: ADVAIR DISKUS 250/50, 2.23 L; fluticasone propionate 250 mcg; 2.12 L; salmeterol, 2.20 L; and placebo, 2.19 L.

Efficacy results in this study were similar to those observed in Study 1. Patients receiving ADVAIR DISKUS 250/50 had significantly greater improvements in FEV<sub>1</sub> (0.48 L, 23%) compared with fluticasone propionate 250 mcg (0.25 L, 13%), salmeterol (0.05 L, 4%), and placebo (decrease of 0.11 L, decrease of 5%). Statistically significantly fewer patients receiving ADVAIR DISKUS 250/50 were withdrawn from this study for worsening asthma (4%) compared with fluticasone propionate (22%), salmeterol (38%), and placebo (62%). In addition, ADVAIR DISKUS 250/50 was superior to fluticasone propionate, salmeterol, and placebo for improvements in morning and evening PEF. Patients receiving ADVAIR DISKUS 250/50 also had clinically meaningful improvements in overall asthma-specific quality of life as described in Study 1 (difference in AQLQ

score of 1.29 compared to placebo).

77.7 E.

 ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Study 3: Clinical Trial With ADVAIR DISKUS 500/50: This 28-week, non-US study compared ADVAIR DISKUS 500/50 with fluticasone propionate 500 mcg alone and concurrent therapy (salmetero! 50 mcg plus fluticasone propionate 500 mcg administered from separate inhalers) twice daily in 503 patients using inhaled corticosteroids [daily doses of beclomethasone dipropionate 1260 to 1880 mcg, budesonide 1500 to 2000 mcg, flunisolide 1500 to 2000 mcg, or fluticasone propionate inhalation aerosol 660 to 880 mcg (750 to 1000 mcg inhalation powder)]. The primary efficacy parameter, morning PEF, was collected daily for the first 12 weeks of the study. The primary purpose of weeks 13 to 28 was to collect safety data.

Baseline PEF measurements were similar across treatments: ADVAIR DISKUS 500/50, 359 L/min; fluticasone propionate 500 mcg, 351 L/min; and concurrent therapy, 345 L/min. As shown in Figure 2, morning PEF improved significantly with ADVAIR DISKUS 500/50 compared with fluticasone propionate 500 mcg over the 12-week treatment period. Improvements in morning PEF observed with ADVAIR DISKUS 500/50 were similar to improvements observed with concurrent therapy.

APPEARS THIS WAY

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

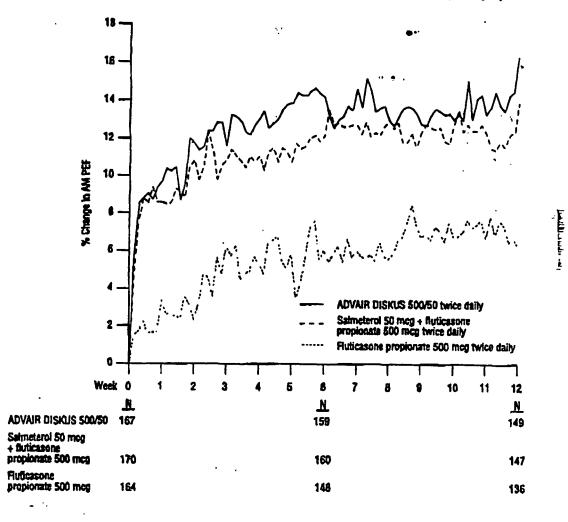
ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Figure 2: Mean Percent Change From Baseline in Morning Peak Expiratory Flow in Patients Previously Treated With Inhaled Corticosteroids (Study 3)



Onset of Action and Progression of Improvement in Asthma Control: The onset of action and progression of improvement in asthma control were evaluated in the 2 placebo-controlled US trials. Following the first dose, the median time to onset of clinically significant bronchodilatation (≥15% improvement in FEV₁) in most patients was seen within 30 to 60 minutes. Maximum improvement in FEV₁ generally occurred within 3 hours, and clinically significant improvement was maintained for 12 hours (see Figure 3).

Following the initial dose, predose FEV<sub>1</sub> relative to day 1 baseline improved markedly over the first week of treatment and continued to improve over the 12 weeks of treatment in both studies.

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

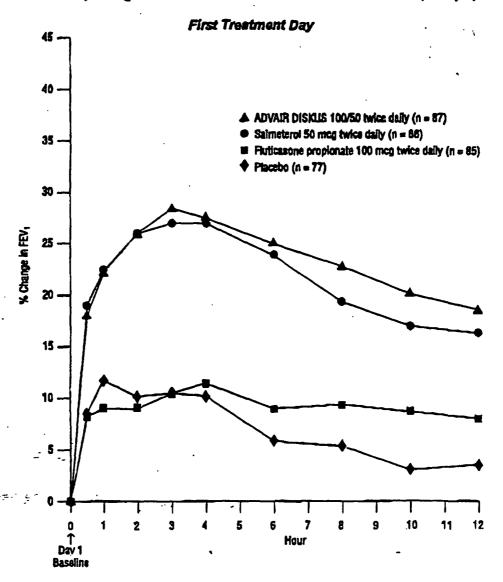
(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

No diminution in the 12-hour bronchodilator effect was observed with either ADVAIR DISKUS 100/50 (Figures 3 and 4) or ADVAIR DISKUS 250/50 as assessed by FEV<sub>1</sub> following 12 weeks of therapy.

Figure 3: Percent Change in Serial 12-hour FEV, in Patients
Previously Using Either Inhaled Corticosteroids or Salmeterol (Study 1)



 ADVAIR® DISKUS® 100/50

(fluticasone propionate 100 mcg and salmeterol® 50 mcg inhalation powder)

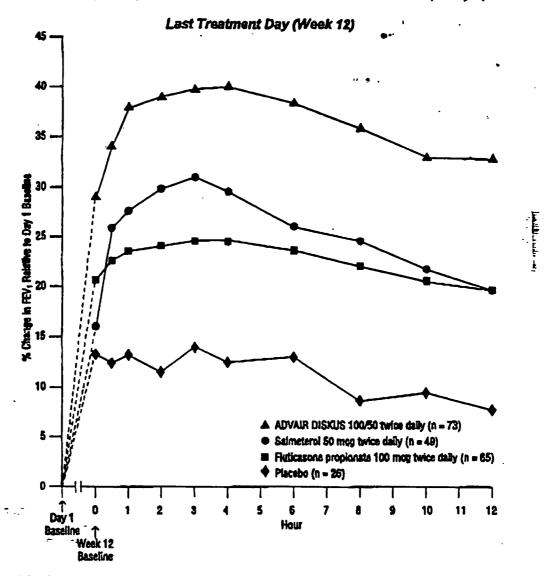
ADVAIR® DISKUS® 250/50

(fluticasone propionate 250 mcg and salmeterol® 50 mcg inhalation powder

ADVAIR® DISKUS® 500/50

(fluticasone propionate 500 mcg and salmeterol® 50 mcg inhalation powder)

Figure 4: Percent Change in Serial 12-hour FEV, in Patients
Previously Using Either Inhaled Corticosteroids or Salmeterol (Study 1)



Reduction in asthma symptoms, use of rescue VENTOLIN Inhalation Aerosol, and improvement in morning and evening PEF also occurred within the first day of treatment with ADVAIR DISKUS, and continued to improve over the 12 weeks of therapy in both studies.

INDICATIONS AND USAGE: ADVAIR DISKUS is indicated for the long-term, twice-daily, maintenance treatment of asthma in patients 12 years of age and older.

ADVAIR DISKUS is NOT indicated for the relief of acute bronchospasm.

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

CONTRAINDICATIONS: ADVAIR DISKUS is contraindicated in the primary treatment of status asthmaticus or other acute episodes of asthma where intensive measures are required.

Hypersensitivity to any of the ingredients of these preparations contraindicates their use.

WARNINGS: ADVAIR DISKUS should not be used for transferring patients from systemic corticosteroid therapy.

Particular care is needed for patients who have been transferred from systemically active conticosteroids to inhaled conticosteroids because deaths due to adrenal insufficiency have occurred in patients with asthma during and after transfer from systemic conticosteroids to less systemically available inhaled conticosteroids. After withdrawal from systemic conticosteroids, a number of months are required for recovery of HPA function.

Patients who have been previously maintained on 20 mg or more per day of prednisone (or its equivalent) may be most susceptible, particularly when their systemic corticosteroids have been almost completely withdrawn. During this period of HPA suppression, patients may exhibit signs and symptoms of adrenal insufficiency when exposed to trauma, surgery, or infection (particularly gastroenteritis) or other conditions associated with severe electrolyte loss. Although inhaled conticosteroids may provide control of asthma symptoms during these episodes, in recommended doses they supply less than normal physiological amounts of glucocorticoid systemically and do NOT provide the mineralocorticoid activity that is necessary for coping with these emergencies.

During periods of stress or a severe asthma attack, petients who have been withdrawn from systemic corticosteroids should be instructed to resume oral corticosteroids (in large doses) immediately and to contact their physicians for further instruction. These patients should also be instructed to carry a warning card indicating that they may need supplementary systemic corticosteroids during periods of stress or a severe asthma attack.

1. ADVAIR DISKUS SHOULD NOT BE INITIATED IN PATIENTS DURING RAPIDLY DETERIORATING OR POTENTIALLY LIFE-THREATENING EPISODES OF ASTHMA. Serious acute respiratory events, including fatalities, have been reported both in the United States and worldwide when salmeterol, a component of ADVAIR DISKUS, has been initiated in patients with significantly worsening or acutely deteriorating asthma. In most cases, these have occurred in patients with severe asthma (e.g., patients with a history of corticosteroid dependence, low pulmonary function, intubation, mechanical ventilation, frequent hospitalizations, or previous life-threatening acute asthma exacerbations) and/or in some patients in whom asthma has been acutely deteriorating (e.g., unresponsive to usual medications; increasing need for inhaled, short-acting beta<sub>2</sub>-agonists; increasing need for systemic corticosteroids; significant increase in symptoms; recent emergency room visits; sudden or progressive deterioration in pulmonary function). However, they have occurred in a few patients with less severe asthma as

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeteror 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeteror 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeteror 50 mcg inhalation powder)

- well. It was not possible from these reports to determine whether salmeterol contributed to these
  events or simply failed to relieve the deteriorating asthma.
  2. <u>Do Not Use ADVAIR DISKUS To Treat Acute Symptoms:</u> An inhaled, short-acting beta<sub>2</sub>-agonist,
- not ADVAIR DISKUS, should be used to relieve acute asthma symptoms. When prescribing
  ADVAIR DISKUS, the physician must also provide the patient with an inhaled, short-acting
- beta<sub>2</sub>-agonist (e.g., albuterol) for treatment of symptoms that occur acutely, despite regular twice
- daily (morning and evening) use of ADVAIR DISKUS.

  When beginning treatment with ADVAIR DISKUS, patients who have been taking oral or inhaled,
  short-acting beta-agonists on a regular basis (e.g., 4 times a day) should be instructed to
- discontinue the regular use of these drugs. For patients on ADVAIR DISKUS, short-acting, inhaled beta-agonists should only be used for symptomatic relief of acute asthma symptoms (see
- 436 PRECAUTIONS: Information for Patients).
- 437 3. Watch for increasing Use of Inhaled, Short-Acting Beta-agonists. Which is a Marker of
- 438 <u>Deteriorating Asthma.</u> Asthma may deteriorate acutely over a period of hours or chronically over
- 439 several days or longer. If the patient's inhaled, short-acting beta-agonist becomes less effective,
- 440 the patient needs more inhalations than usual, or the patient develops a significant decrease in
- PEF, these may be a marker of destabilization of asthma. In this setting, the patient requires
- immediate reevaluation with reassessment of the treatment regimen, giving special consideration to
- 443 the possible need for replacing the current strength of ADVAIR DISKUS with a higher strength,
- adding additional inhaled corticosteroid, or initiating systemic corticosteroids. Patients should not
- use more than one inhalation twice daily (morning and evening) of ADVAIR DISKUS.
- 4. Do Not Use an Inhaled, Long-Acting Beta-agonist in Conjunction With ADVAIR DISKUS.
- Patients who are receiving ADVAIR DISKUS twice daily should not use salmeterol or other
- 448 long-acting inhaled beta<sub>2</sub>-agonists for prevention of exercise-induced bronchospasm or the
- maintenance treatment of asthma. Additional benefit would not be gained from using supplemental
- 450 salmeterpl for prevention of exercise-induced bronchospasm since ADVAIR DISKUS already
- 451 contains salmeterol.
- 452 5. Do Not Exceed Recommended Dosage: ADVAIR DISKUS should not be used more often or at
- 453 higher doses than recommended. Fatalities have been reported in association with excessive use of
- 454 Inhaled sympathomimetic drugs. Large doses of inhaled or oral salmeterol (12 to 20 times the
- 455 recommended dose) have been associated with clinically significant prolongation of the QT<sub>c</sub>
- 456 interval, which has the potential for producing ventricular arrhythmias.
- 457 6. Paradoxical Bronchospasm: As with other inhaled asthma medications, ADVAIR DISKUS can
- 458 produce paradoxical bronchospasm, which may be life threatening. If paradoxical bronchospasm
- occurs following dosing with ADVAIR DISKUS, it should be treated immediately with a short-acting,
- inhaled bronchodilator, ADVAIR DISKUS should be discontinued immediately, and alternative
- therapy should be instituted.

NO.866

ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder) ADVAIR DISKUS 250/50 (flutisasone proplonate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR" DISKUS 500/50 (fluticasone propionate 600 mcg and salmeterol\* 50 mcg inhalation powder)

- 462 7. Immediate Hypersensitivity Reactions: Immediate hypersensitivity reactions may occur after administration of ADVAIR DISKUS, as demonstrated by cases of urticaria, angioedema, rash, and 463 464 bronchospasm.
- 465 8. <u>Upper Airway Symptoms:</u> Symptoms of laryngeal spasm, inflation, or swelling, such as stridor and choking, have been reported in patients receiving fluticasone propionate and salmeterol. 466 467 components of ADVAIR DISKUS.
- 468 Cardiovascular Disordars: ADVAIR DISKUS, like all products containing sympathomimetic amines, should be used with caution in patients with cardiovascular disorders, especially coronary 469 470 insufficiency, cardiac arrhythmias, and hypertension, Salmeterol, a component of ADVAIR DISKUS. 471 can produce a clinically significant cardiovascular effect in some patients as measured by pulse rate, blood pressure, and/or symptoms. Although such effects are uncommon after administration of 472 473 salmeterol at recommended doses. If they occur, the drug may need to be discontinued. In addition.
- 474 beta-agonists have been reported to produce electrocardiogram (ECG) changes, such as flattening 475 of the T wave, prolongation of the QT<sub>c</sub> interval, and ST segment depression. The clinical significance of these findings is unknown. 476
- 10. Discontinuation of Systemic Corticosteroids: Transfer of patients from systemic corticosteroid 477 478 therapy to ADVAIR DISKUS may unmask conditions previously suppressed by the systemic 479 corticosteroid therapy, e.g., rhinitis, conjunctivitis, eczema, and arthritis,
  - 11. Immunosuppression: Persons who are using drugs that suppress the immune system are more susceptible to infections than healthy individuals. Chickenpox and measles, for example, can have a more serious ar even fatal course in susceptible children or adults using corticosteroids. In such children or adults who have not had these diseases or been properly immunized, particular care should be taken to avoid exposure. How the dose, route, and duration of corticosteroid administration affect the risk of developing a disseminated infection is not known. The contribution of the underlying disease and/or prior corticosteroid treatment to the risk is also not known. If exposed to chickenpox, prophylaxis with varicella zoster immune globulin (VZIG) may be indicated. If exposed to measles, prophylaxis with pooled intramuscular immunoglobulin (IG) may be indicated. (See the respective package inserts for complete VZIG and IG prescribing information.) If chickenpox develops, treatment with antiviral agents may be considered.

#### PRECAUTIONS:

연락 등기

480

481 482

483 484

485

486

487

488 489

490

491 492

493

494

495

496

497

498

General: 1. Cardiovascular Effects: No effect on the cardiovascular system is usually seen after the administration of inhaled ADVAIR DISKUS at recommended doses. The cardiovascular and central nervous system effects seen with all sympathomimetic drugs (e.g., increased blood pressure, heart rate, excitement) can occur after use of salmeterol, a component of ADVAIR DISKUS, and may require discontinuation of ADVAIR DISKUS. ADVAIR DISKUS, like all\_medications containing sympathomimetic amines, should be used with caution in patients with cardiovascular disorders.

ADVAIR DISKUS 100/50
(fluticasone propionate 100 mcg and salmeterol 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeteror 50 mcg inhalation powder ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

especially coronary insufficiency, cardiac arrhythmias, and hypertension; in patients with convulsive disorders or thyrotoxicosis; and in patients who are unusually responsive to sympathomimetic amines.

As has been described with other beta-adrenergic agonist bronchodifitors, clinically significant changes in electrocardiograms have been seen infrequently in individual patients in controlled clinical studies with ADVAIR DISKUS and salmeterol. Clinically significant changes in systolic and/or diastolic blood pressure and pulse rate have been seen infrequently in individual patients in controlled clinical studies with salmeterol, a component of ADVAIR DISKUS.

2. <u>Metabolic and Other Effects:</u> Doses of the related beta<sub>2</sub>-adrenoceptor agonist albuterol, when administered intravenously, have been reported to aggravate preexisting diabetes mellitus and ketoacidosis. Beta-adrenergic agonist medications may produce significant hypokalemia in some patients, possibly through intracellular shunting, which has the potential to produce adverse cardiovascular effects. The decrease in serum potassium is usually transient, not requiring supplementation.

Clinically significant changes in blood glucose and/or serum potassium were seen rarely during clinical studies with ADVAIR DISKUS at recommended doses.

During withdrawal from oral corticosteroids, some patients may experience symptoms of systemically active corticosteroid withdrawal, e.g., joint and/or muscular pain, lassitude, and depression, despite maintenance or even improvement of respiratory function.

Fluticasone propionate, a component of ADVAIR DISKUS, will often permit control of asthma symptoms with less suppression of HPA function than therapeutically equivalent oral doses of prednisone. Since fluticasone propionate is absorbed into the circulation and can be systemically active at higher doses, the beneficial effects of ADVAIR DISKUS in minimizing HPA dysfunction may be expected only when recommended dosages are not exceeded and individual patients are titrated to the lowest effective dose. A relationship between plasma levels of fluticasone propionate and inhibitory effects on stimulated cortisol production has been shown after 4 weeks of treatment with fluticasone propionate inhalation aerosol. Since individual sensitivity to effects on cortisol production exists, physicians should consider this information when prescribing ADVAIR DISKUS.

Because of the possibility of systemic absorption of inhaled conticosteroids, patients treated with these drugs should be observed carefully for any evidence of systemic conticosteroid effects.

Particular care should be taken in observing patients postoperatively or during periods of stress for evidence of inadequate adrenal response.

It is possible that systemic corticosteroid effects such as hypercorticism and adrenal suppression may appear in a small number of patients, particularly at higher doses. If such changes occur, the dose of fluticasone propionate should be reduced slowly, consistent with accepted procedures for reducing systemic corticosteroids and for management of asthma symptoms.

**S**66

70

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Orally inhaled corticosteroids may cause a reduction in growth velocity when administered to pediatric patients (see PRECAUTIONS: Pediatric Use). Patients should be maintained on the lowest strength of ADVAIR DISKUS that effectively controls their asthma.

The long-term effects of ADVAIR DISKUS in human subjects are not fully known. In particular, the effects resulting from chronic use of fluticesone propionate on developmental or immunologic processes in the mouth, pharynx, trachea, and lung are unknown. Some patients have received inhaled fluticesone propionate on a continuous basis for periods of 3 years or longer. In clinical studies with patients treated for 2 years with inhaled fluticesone propionate, no apparent differences in the type or severity of adverse reactions were observed after long- versus short-term treatment.

Rare instances of glaucoma, increased intraocular pressure, and cataracts have been reported following the inhaled administration of corticosteroids, including fluticasone propionate, a component of ADVAIR DISKUS,

In clinical studies with ADVAIR DISKUS, the development of localized infections of the pharysix with Candida albicans has occurred. When such an infection develops, it should be treated with appropriate local or systemic (i.e., oral antifungal) therapy while remaining on treatment with ADVAIR DISKUS, but at times therapy with ADVAIR DISKUS may need to be interrupted.

Inhaled corticosteroids should be used with caution, if at all, in patients with active or quiescent tuberculosis infections of the respiratory tract; untreated systemic fungal, bacterial, viral, or parasitic infections; or ocular herpes simplex.

3. Eosinophilic Conditions: In rare cases, patients on inhaled fluticasone propionate, a component of ADVAIR DISKUS, may present with systemic eosinophilic conditions, with some patients presenting with clinical features of vasculitis consistent with Churg-Strauss syndrome, a condition that is often treated with systemic corticosteroid therapy. These events usually, but not always, have been associated with the reduction and/or withdrawal of oral corticosteroid therapy following the introduction of fluticasone propionate. Cases of serious eosinophilic conditions have also been reported with other inhaled corticosteroids in this clinical setting. Physicians should be alert to eosinophilia, vasculitic rash, worsening pulmonary symptoms, cardiac complications, and/or neuropathy presenting in their patients. A causal relationship between fluticasone propionate and these underlying conditions has not been established (see ADVERSE REACTIONS). Information for Patients: Patients being treated with ADVAIR DISKUS should receive the following information and instructions. This information is intended to aid them in the safe and

It is important that patients understand how to use the DISKUS inhalation device appropriately and how it should be used in relation to other asthma medications they are taking. Patients should be given the following information:

effective use of this medication. It is not a disclosure of all possible adverse or intended effects.

1. Patients should use ADVAIR DISKUS at regular intervals as directed. Results of clinical trials indicate significant improvement may occur within the first 30 minutes of taking the first dose;

# ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol 50 mcg inhalation powder) ADVAIR DISKUS 250/50 (fluticasone propionate 250 mcg and salmeterol 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluticasone propionate 500 mcg and salmeterol 50 mcg inhalation powder)

- 572 however, the full benefit may not be achieved until treatment has been administered for 1 week or
- 573 longer. The patient should not exceed the prescribed dosage and should contact the physician if
- 574 symptoms do not improve or if the condition worsens.
- 575 2. The bronchodilation from a single dose of ADVAIR DISKUS may last up to 12 hours or longer.
- 576 The recommended dosage (1 inhalation twice daily, morning and evening) should not be exceeded.
- 577 Patients who are receiving ADVAIR DISKUS twice daily should not use salmeterol or other
- 578 long-acting inhaled beta-agonists for prevention of exercise-induced bronchospasm or maintenance
- 579 treatment of asthma.
- 3. ADVAIR DISKUS is not meant to relieve acute asthma symptoms and extra doses should not be
- 581 used for that purpose. Acute symptoms should be treated with an inheled, short-acting betaz-agonist
- 582 such as albuterol (the physician should provide the patient with such medication and instruct the
- 583 patient in how it should be used).
- 584 4. The physician should be notified immediately if any of the following situations occur, which π ay
- 585 be a sign of seriously worsening asthma:
- 586 Decreasing effectiveness of inhaled, short-acting betagragonists
- Need for more inhalations than usual of inhaled, short-acting beta-agonists
- Significant decrease in peak flow as outlined by the physician
- 5. Patients should be cautioned regarding common adverse cardiovascular effects, such as
- 590 palpitations, chest pain, rapid heart rate, tremor, or nervousness.
- 591 6. When patients are prescribed ADVAIR DISKUS, other inhaled drugs and asthma medications
- should be used only as directed by the physician.
- 593 7. ADVAIR DISKUS should not be used with a spacer device.
- 8. If you are pregnant or nursing, contact your physician about the use of ADVAIR DISKUS.
- 9. Effective and safe use of ADVAIR DISKUS includes an understanding of the way that it should be
- 596 used:
- 597 Nayer exhale into the DISKUS.
- 598 Never attempt to take the DISKUS apart.
- Always activate and use the DISKUS in a level, horizontal position.
- Never wash the mouthpiece or any part of the DISKUS. KEEP IT DRY.
- 601 Always keep the DISKUS in a dry place.
- Discard 1 month after removal from the moisture-protective foll overwrap pouch or after every
- 603 blister has been used (when the dose indicator reads "0"), whichever comes first.
- 604 10. Patients should be warned to avoid exposure to chickenpox or measles and, if they are
- 605 exposed, to consult their physicians without delay.
- 11. For the proper use of ADVAIR DISKUS and to attain maximum improvement, the patient should
- read and follow carefully the accompanying Patient's Instructions for Use.

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeteror 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeteror 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeteror 50 mcg inhalation powder)

Drug Interactions: ADVAIR DISKUS has been used concomitantly with other drugs, including short-acting beta<sub>2</sub>-agonists, methylxanthines, and intranasal corticosteroids, commonly used in patients with asthma, without adverse drug reactions. No formal drug interaction studies have been performed with ADVAIR DISKUS.

Short-Acting Betaz-Agonists: In clinical trials, the mean daily need for additional betaz-agonist use in 166 patients using ADVAIR DISKUS was approximately 1.3 inhalations per day, and ranged from 0 to 9 inhalations per day. Five percent of the ADVAIR DISKUS patients in these trials averaged 6 or more inhalations per day over the course of the 12-week trials. No observed increase in frequency of cardiovascular events was noted among patients who averaged 6 or more inhalations per day.

Methylxanthines: The concurrent use of intravenously or orally administered methylxanthines (e.g., aminophylline, theophylline) by patients receiving ADVAIR DISKUS has not been completely evaluated. In clinical trials, 39 patients receiving ADVAIR DISKUS 100/50, 250/50, or 500/50 twice daily concurrently with a theophylline product had adverse event rates similar to those in 304 patients receiving ADVAIR DISKUS without theophylline. Similar results were observed in patients receiving salmeterol 50 mcg plus flutioasone propionate 500 mcg twice daily concurrently with a theophylline product (n = 39) or without theophylline (n = 132).

Fluticasone Propionate Nasal Spray: In patients taking ADVAIR DISKUS in clinical trials, no difference in the profile of adverse events or HPA axis effects was noted between patients taking FLONASE $^{\circ}$  (fluticasone propionate) Nasal Spray, 50 mcg concurrently (n = 48) and those who were not (n = 130).

Monoamine Oxidase Inhibitors and Tricyclic Antidepressants: ADVAIR DISKUS should be administered with extreme caution to patients being treated with monoamine oxidase inhibitors or tricyclic antidepressants, or within 2 weeks of discontinuation of such agents, because the action of salmeterol, a component of ADVAIR DISKUS, on the vescular system may be potentiated by these agents...

Beta-Adrenergic Receptor Blocking Agents: Beta-blockers not only block the pulmonary effect of beta-agonists, such as salmeterol, a component of ADVAIR DISKUS, but may produce severe bronchospasm in patients with asthma. Therefore, patients with asthma should not normally be treated with beta-blockers. However, under certain circumstances, there may be no acceptable alternatives to the use of beta-adrenergic blocking agents in patients with asthma. In this setting, cardioselective beta-blockers could be considered, although they should be administered with caution.

Diuretics: The ECG changes and/or hypokalemia that may result from the administration of nonpotassium-sparing diuretics (such as loop or thiazide diuretics) can be acutely worsened by beta-agonists, especially when the recommended dose of the beta-agonist is exceeded. Although

652

ADVAIR® DISKUS® 100/50

(fluticasone propionate 100 mcg and salmeterol® 50 mcg inhalation powder)

ADVAIR® DISKUS® 250/50

(fluticasone propionate 250 mcg and salmeterol® 50 mcg inhalation powder

ADVAIR® DISKUS® 600/50

(fluticasone propionate 500 mcg and salmeterol® 50 mcg inhalation powder)

the clinical significance of these effects is not known, caution is advised in the coadministration of beta-agonists with nonpotassium-sparing diuretics.

Ketoconazole and Other Inhibitors of Cytochrome P450: In a placebo-controlled, crossover study in 8 healthy volunteers, coadministration of a single dose of fluticesone propionate (1000 mcg) with multiple doses of ketoconazole (200 mg) to steady state resulted in increased mean fluticesone propionate concentrations, a reduction in plasma cortisol AUC, and no effect on urinary excretion of cortisol. This interaction may be due to an inhibition of cytochrome P450 3A4 by ketoconazole, which is also the route of metabolism of fluticesone propionate. Care should be exercised when ADVAIR DISKUS is coadministered with long-term ketoconazole and other known cytochrome P450 3A4 inhibitors.

Carcinogenesis, Mutagenesis, Impairment of Fertility: Fluticasone Propionate: Fluticasone propionate demonstrated no tumorigenic potential in mice at oral doses up to 1000 mcg/kg (approximately 4 times the maximum recommended daily inhalation dose in adults on a mcg/m² basis) for 78 weeks or in rats at inhalation doses up to 57 mcg/kg (less than the maximum recommended daily inhalation dose in adults on a mcg/m² basis) for 104 weeks.

Fluticasone propionate did not induce gene mutation in prokaryotic or eukaryotic cells in vitro. No significant clastogenic effect was seen in cultured human peripheral lymphocytes in vitro or in the mouse micronucleus test

No evidence of impairment of fertility was observed in reproductive studies conducted in male and female rats at subcutaneous doses up to 50 mcg/kg (less than the maximum recommended daily inhalation dose in adults on a mcg/m² basis). Prostate weight was significantly reduced at a subcutaneous dose of 50 mcg/kg.

Salmeterol: In an 18-month carcinogenicity study in CD-mice, salmeterol at oral doses of 1.4 mg/kg and above (approximately 20 times the maximum recommended daily inhalation dose in adults based on comparison of the plasma area under the curves ([AUCs]) caused a dose-related increase in the incidence of smooth muscle hyperplasia, cystic glandular hyperplasia, leiomyomas of the uterus, and cysts in the ovaries. The incidence of leiomyosarcomas was not statistically significant. No tumors were seen at 0.2 mg/kg (approximately 3 times the maximum recommended daily inhalation doses in adults based on comparison of the AUCs).

In a 24-month oral and inhalation carcinogenicity study in Sprague Dawley rats, salmeterol caused a dose-related increase in the incidence of mesovarian leiomyomas and ovarian cysts at doses of 0.68 mg/kg and above (approximately 60 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). No tumors were seen at 0.21 mg/kg (approximately 20 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). These findings in rodents are similar to those reported previously for other beta-adrenergic agonist drugs. The relevance of these findings to human use is unknown.

681 682

683

684

685

686 687

688

689

690

691

692

693

694

695

696

697 ·

698

699 700

701

702

703

704

705

706 707

708

709

710

711

712

713

714

715

716

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Salmeterol produced no detectable or reproducible increases in microbial and mammalian gene mutation in vitro. No clastogenic activity occurred in vitro in human lymphocytes or in vivo in a rat micronucleus test. No effects on fertility were identified in male and female rats treated with salmeterol at oral doses up to 2 mg/kg (approximately 180 times the maximum recommended daily inhalation dose in adults on a ma/m² basis). Pregnancy: Teratogenic Effects: ADVAIR DISKUS: Pregnancy Category C. From the reproduction toxicity studies in mice and rats, no evidence of enhanced toxicity was seen using combinations of fluticasone propionate and salmeterol compared to toxicity data from the components administered separately. In mice combining 150 mcg/kg subcutaneously of fluticasone propionate (less than the maximum recommended dally inhalation dose in adults on a mcc/m<sup>2</sup> basis) with 10 mg/kg grally of salmeterol (approximately 450 times the maximum recommended daily inhalation dose in adults on a mg/m<sup>2</sup> basis) were teratogenic. Cleft palate, fetal death. increased implantation loss and delayed ossification was seen. These observations are characteristic of glucocorticoids. No developmental toxicity was observed at combination doses in to 40 mcg/kg subcutaneously of fluticasone propionate (less than the maximum recommended daily inhalation dose in adults on a mog/m<sup>2</sup> basis) and up to 1.4 mg/kg orally of salmeterol (approximately 65 times the maximum recommended daily inhalation dose in adults on a mg/m<sup>2</sup> basis. In rats, no teratogenicity was observed at combination doses up to 30 mog/kg subcutaneously of fluticasone propionale (less than the maximum recommended daily inhalation dose in adults on a mcg/m<sup>2</sup> basis) and up to 1 mg/kg of selmeterol (approximately 90 times the maximum recommended daily inhalation dose in adults on a mg/m<sup>2</sup> basis). Combining 100 mcg/kg subcutaneously of fluticasone propionate (less than the maximum recommended daily inhalation dose in adults on a mcc/m<sup>2</sup> basis) with 10 mg/kg orally of salmeterol (approximately 900 times the maximum recommended daily inhalation dose in adults on a mg/m<sup>2</sup> basis) produced maternal toxicity, decreased placental weight, decreased fetal weight, umbilical hemia, delayed ossification, and changes in the occipital bone. There are no adequate and well-controlled studies with ADVAIR DISKUS in pregnant women. ADVAIR DISKUS should be used during pregnancy only if the potential banefit justifies the potential risk to the fetus.

Fluticasone Propionate: Pregnancy Category C. Subcutaneous studies in the mouse and rat at 45 and 100 mcg/kg (less than or equivalent to the maximum recommended daily inhalation dose in adults on a mcg/m² basis), respectively, revealed fetal toxicity characteristic of potent corticosteroid compounds, including embryonic growth retardation, omphalocele, cleft palate, and retarded cranial ossification.

In the rabbit, fetal weight reduction and cleft palate were observed at a subcutaneous dose of 4 mcg/kg (less than the maximum recommended daily inhalation dose in adults on a mcg/m² basis). However, no teratogenic effects were reported at oral doses up to 300 mcg/kg (approximately 5 times the maximum recommended daily inhalation dose in adults on a mcg/m² basis) of fluticasone

.

propionate. No fluticesone propionate was detected in the plasma in this study, consistent with the established low bioavailability following and administration (see CLINICAL PHARMACOLOGY).

Fluticasone propionate crossed the placenta following administration of a subcutaneous dose of 100 mcg/kg to mice (less than the maximum recommended daily inhalation dose in adults on a mcg/m² basis) administration of a subcutaneous or an oral dose of 100 mcg/kg to rats.

(approximately equivalent to the maximum recommended daily inhalation dose in adults on a mcg/m² basis) and an oral dose of 300 mcg/kg administered to rabbits (approximately 5 times the maximum recommended daily inhalation dose in adults on a mcg/m² basis).

There are no adequate and well-controlled studies in pregnant women. Fluticasone propionate should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Experience with oral corticosteroids since their introduction in pharmacologic, as opposed to physiologic, doses suggests that rodents are more prone to teratogenic effects from corticosteroids than humans. In addition, because there is a natural increase in corticosteroid production during pregnancy, most women will require a lower exogenous corticosteroid dose and many will not need corticosteroid treatment during pregnancy.

Salmeterol: Pregnancy Category C. No teratogenic effects occurred in rats at oral doses up to 2 mg/kg (approximately 180 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). In pregnant Dutch rabbits administered oral doses of 1 mg/kg and above (approximately 50 times the maximum recommended daily inhalation dose in adults based on comparison of the AUCs), salmeterol exhibited fetal toxic effects characteristically resulting from beta-adrenoceptor stimulation. These included precocious eyelid openings, cleft palate, sternebral fusion, limb and paw flexures, and delayed ossification of the frontal cranial bones. No significant effects occurred at an oral dose of 0.6 mg/kg (approximately 20 times the maximum recommended daily inhalation dose in adults based on comparison of the AUCs).

New Zealand White rabbits were less sensitive since only delayed ossification of the frontal bones was seen at an oral dose of 10 mg/kg (approximately 1800 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). Extensive use of other beta-agonists has provided no evidence that these class effects in animals are relevant to their use in humans. There are no adequate and well-controlled studies with salmeterol in pregnant women. Salmeterol should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Salmeterol xinafoate crossed the placenta following oral administration of 10 mg/kg to mice and rats (approximately 450 and 900 times, respectively, the maximum recommended daily inhalation dose in adults on a mg/m<sup>2</sup> basis).

Use in Labor and Delivery: There are no well-controlled human studies that have investigated effects of ADVAIR DISKUS on preterm labor or labor at term. Because of the potential for beta-agonist interference with uterine contractility, use of ADVAIR DISKUS for management of

7/7

 ADVAIR DISKUS 100/50
(fluticasone propionate 100 mcg and salmeterol 50 mcg inhalation powder)

ADVAIR DISKUS 250/50
(fluticasone propionate 250 mcg and salmeterol 50 mcg inhalation powder

ADVAIR DISKUS 500/50
(fluticasone propionate 500 mcg and salmeterol 50 mcg inhalation powder)

asthma during labor should be restricted to those patients in whom the benefits clearly outweigh the risks.

Nursing Mothers: Plasma levels of salmeterol, a component of ADVAIR DISKUS, after inhaled therapeutic doses are very low. In rats, salmeterol xinafoate is excreted in the milk. There are no data from controlled trials on the use of salmeterol by nursing mothers. It is not known whether fluticasone propionate, a component of ADVAIR DISKUS, is excreted in human breast milk; however, other corticosteroids have been detected in human milk. Subcutaneous administration to lactating rats of 10 mcg/kg tritiated fluticasone propionate (less than the maximum recommended daily inhalation dose in adults on a mcg/m² basis) resulted in measurable radioactivity in milk.

Since there are no data from controlled trials on the use of ADVAIR DISKUS by nursing mothers, a decision should be made whether to discontinue nursing or to discontinue ADVAIR DISKUS, taking into account the importance of ADVAIR DISKUS to the mother.

Caution should be exercised when ADVAIR DISKUS is administered to a nursing woman.

Pediatric Use: The safety and effectiveness of ADVAIR DISKUS in children under 12 years of age has not been established. In one 12-week study, 257 patients 4 to 11 years inadequately controlled using inhaled corticosteroids were randomized to ADVAIR DISKUS 100/50 or concurrent therapy with fluticasone propionate inhalation powder 100 mcg plus salmeterol inhalation powder 50 mcg twice daily. The pattern of adverse events reported in patients 4 to 11 years of age was similar to that seen in patients 12 years of age and older treated with ADVAIR DISKUS.

Controlled clinical studies have shown that orally inhaled corticosteroids may cause a reduction in growth velocity in pediatric patients. This effect has been observed in the absence of laboratory evidence of HPA axis suppression, suggesting that growth velocity is a more sensitive indicator of systemic corticosteroid exposure in pediatric patients than some commonly used tests of HPA axis function. The long-term effects of this reduction in growth velocity associated with orally inhaled corticosteroids, including the impact on final adult height, are unknown. The potential for "catch up" growth following discontinuation of treatment with orally inhaled corticosteroids has not been adequately studied.

Inhaled corticosteroids, including fluticasone propionate, a component of ADVAIR DISKUS, may cause a reduction in growth velocity in children and adolescents (see PRECAUTIONS). The growth of pediatric patients receiving orally inhaled corticosteroids, including ADVAIR DISKUS, should be monitored. If a child or adolescent on any corticosteroid appears to have growth suppression, the possibility that he/she is particularly sensitive to this effect of corticosteroids should be considered. The potential growth effects of prolonged treatment should be weighed against the clinical benefits obtained. To minimize the systemic effects of orally inhaled corticosteroids, including ADVAIR DISKUS, each patient should be titrated to the lowest strength that effectively controls his/her asthma (see DOSAGE AND ADMINISTRATION).

P.28

ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder) ADVAIR" DISKUS® 250/50 (fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Geriatric Use: Of the total number of patients in clinical studies of ADVAIR DISKUS, 44 were 65 years of age or older and 3 were 75 years of age or older. No overall differences in safety were observed between these patients and younger patients, and other reported clinical experience. including studies of the individual components, has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out. As with other products containing betaz-agonists, special caution should be observed when using ADVAIR DISKUS in geriatric patients who have concomitant cardiovascular disease that could be adversely affected by betaz-agonists. Based on available data for ADVAIR DISKUS or its active components, no adjustment of dosage of ADVAIR DISKUS in genatric patients is warranted.

798 799 200

801

802 803

804

790 791

792

793 794

795

796 797

> ADVERSE REACTIONS: The incidence of common adverse experiences in Table 3 is based upon 2 placebo-controlled, 12-week, US clinical studies (Studies 1 and 2), A total of 705 adolescent and adult patients (349 females and 356 males) previously treated with salmeterol or inhaled corticosteroids were treated twice daily with ADVAIR DISKUS (100/50- or 250/50-mcg doses). fluticasone propionate inhalation powder (100- or 250-mcg doses), salmeterol inhalation powder 50 mcg, or placebo.

805 806

> APPEARS THIS WAY ON ORIGINAL

60.1

70.1

ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50 (fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

807

Table 3: Overall Adverse Effects With ≥3% Incidence With ADVAIR DISKUS ADVAIR ADVAIR | Fluticasone | Fluticasone DISKUS DISKUS Propionate Propionate Salmetero 100/50 250/50 Placebo 100 mcg 250. mog 1 50 mcg (n = 92)(n = 84)(n = 90)(n = 84)(n = 180)(n = 175)Adverse Event % % % % 96 % Ear, nose, and throat Upper respiratory tract infection 27 21 29 . 25 19 14 **Pharyngitis** 13 10 7 12 6 8 Upper respiratory 7 inflammation 7 6 8 8 **Sinusitis** 5 6 3 1 Hoarseness/dysphonia 5 2 2 <1 Oral candidiasis 2 2 1 0 Lower respiratory 3 10 6 Viral respiratory infections 2 **Bronchitis** 2 8 2 2 ٥ Cough 3 6 Neurology 10 7 Headaches 12 13 14 8 Gastrointestinal Nausea & vomiting 6 3 1 1 Gastrointestinal discomfort 1 0 2 1 & pain 1 2 1 Diamhea 2 2 1 Viral gastrointestinal 2 2 3 ٥ 3 1 infections. Non-site specific 3 0 0 1 Candidiasis unspecified site Musculoskeletal 3 5 3 4 2 1 Musculoskeletal pain Average duration of exposure 42.3

78.7

72.4

77.3

(days)

### ADVAIR DISKUS 100/50 (fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder) ADVAIR" DISKUS® 250/50 (fluticasone propionate 250 mcg and saimeterol\* 50 mcg inhalation powder ADVAIR DISKUS 500/50 (fluficasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

808 809

810

811

812

813

814

815

816

817

818

819

820

821

822

823 824

825.

826

827 828

829

830

831

832

833

834

835

836

837 838

839

840

841

842 843

Table 3 includes all events (whether considered drug-related or nondrug-related by the investigator) that occurred at a rate of 3% or greater in either of the groups receiving ADVAIR DISKUS and were more common than in the placebo group. In considering these data, differences in average duration of exposure should be taken into eccount.

These adverse reactions were mostly mild to moderate in severity. Rare cases of immediate and delayed hypersensitivity reactions, including rash and other rare events of angloedema and bronchospasm, have been reported.

Other adverse effects that occurred in the groups receiving ADVAIR DISKUS in these studies with an incidence of 1% to 3% and that occurred at a greater incidence than with placebo were:

Blood and Lymphatic: Lymphatic signs and symptoms.

Cardiovascular: Palpitations.

Drug Interaction, Overdose, and Trauma: Muscle injuries, fractures, wounds and lacerations, contusions and hematomas, burns.

Ear, Nose, and Throat: Rhinomhea/post nasal drip; ear, nose and throat infections; ear signs and symptoms; nasal signs and symptoms; nasal sinus disorders; rhinklis; sneezing; nasal imitation; blood in nasai mucosa.

Eye: Keratitis and conjunctivitis, viral eye infections, eye redness.

Gastrointestinal: Dental discomfort and pain, gastrointestinal signs and symptoms, gastrointestinal infections, gastroenteritis, gastrointestinal disorders, oral ulcerations, oral erythema and rashes, constitution, appendicitis, oral discomfort and pain.

Hepatobiliary Tract and Pancreas: Abnormal liver function tests.

Lower Respiratory: Lower respiratory signs and symptoms, pneumonia, lower respiratory infections.

Musculoskeletal: Arthraigia and articular meumatism; muscle stiffness, tightness, and rigidity; bone and cartilage disorders.

Neurology: Sleep disorders, tremors, hypnagogic effects, compressed nerve syndromes.

Non-Site Specific: Allergies and allergic reactions, congestion, viral infections, pain, chest symptoms, fluid retention, bacterial infections, wheeze and hives, unusual taste.

Skin: Viral skin infections, urticaria, skin flakiness and acquired ichthyosis, disorders of sweat and sebum, sweating.

The incidence of common adverse experiences reported in Study 3, a 28-week, non-US clinical study of 503 patients previously treated with inhaled corticosteroids who were treated twice daily with ADVAIR DISKUS 500/50, fluticasone propionate inhalation powder 500 mcg and salmeterol innalation powder 50 mcg used concurrently, or fluticasone propionate inhalation powder 500 mcg was similar to the incidences reported in Table 3.

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR\* DISKUS\* 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR\* DISKUS\* 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Observed During Clinical Practice: In addition to adverse events reported from clinical trials, the following events have been identified during postapproval use of ADVAIR DISKUS, fluticasone propionate, and/or salmeterol. Because they are reported voluntarily from a population of unknown size, estimates of frequency cannot be made. These events have been chosen for inclusion due to a combination of their seriousness, frequency of reporting, or potential causal connection to ADVAIR DISKUS, fluticasone propionate, and/or salmeterol.

In extensive US and worldwide postmarketing experience with salmeterol, a component of ADVAIR DISKUS, serious exacerbations of asthma, including some that have been fatal, have been reported. In most cases, these have occurred in patients with severe asthma and/or in some patients in whom asthma has been acutely deteriorating (see WARNINGS), but they have also occurred in a few patients with less severe asthma. It was not possible from these reports to determine whether salmeterol contributed to these events or simply failed to relieve the deteriorating asthma.

Cardiovascular: Arrhythmias (including atrial fibrillation, extrasystoles, supraventricular tachycardia), ventricular tachycardia.

Ear, Nose, and Throat: Aphonia, earache, paranasal sinus pain, throat soreness and irritation.

Endocrine and Metabolic: Cushing syndrome, Cushingoid features, growth velocity reduction in children/adolescents, hypercorticism, hyperglycemia, weight gain.

Gastrointestinal: Abdominal pain, dyspepsia, xerostomia.

Musculoskeletai: Back pain, cramps, muscle spasm, myositis.

Neurology: Paresthesia, restlessness.

Non-Site Specific: Immediate and delayed hypersensitivity reaction, pallor.

Psychiatry: Agitation, aggression, depression.

Respiratory: Chest congestion, chest tightness, dyspnea, immediate bronchospasm, influenza, paradoxical bronchospasm, tracheltis, wheezing, reports of upper respiratory symptoms of laryngeal spasm, inflation, or swelling such as stridor or choking.

Skin: Contact dermatitis, contusions, ecchymoses, photodermatitis.

Urogenital:-Dysmenorthea, irregular menstrual cycle, pelvic inflammatory disease, vaginal candidiasis, vaginitis, vulvovaginitis.

Eosinophilic Conditions: In rare cases, patients on inhaled fluticasone propionate, a component of ADVAIR DISKUS, may present with systemic eosinophilic conditions, with some patients presenting with clinical features of vasculitis consistent with Churg-Strauss syndrome, a condition that is often treated with systemic conticosteroid therapy. These events usually, but not always, have been associated with the reduction and/or withdrawal of oral conticosteroid therapy following the introduction of fluticasone propionate. Cases of serious eosinophilic conditions have also been reported with other inhaled conticosteroids in this clinical setting. While ADVAIR DISKUS should not be used for transferring patients from systemic conticosteroid therapy, physicians should

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

be alert to eosinophilia, vasculitic rash, worsening pulmonary symptoms, cardiac complications, and/or neuropathy presenting in their patients. A causal relationship between fluticasone propionate and these underlying conditions has not been established (see PRECAUTIONS: Eosinophilic Conditions).

884 885 886

911 912

913

914

915

916 917

881

882

883

#### OVERDOSAGE:

887 ADVAIR DISKUS: No deaths occurred in rats given combinations of salmeterol and fluticasone 888 propionate at acute inhalation doses of 3.6 and 1.9 mg/kg, respectively (approximately 320 and 15 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). 889 890 Fluticasone Propionate: Chronic overdosage with fluticasone propionate may result in 891 signs/symptoms of hypercorticism (see PRECAUTIONS). Inhalation by healthy volunteers of a 892 single dose of 4000 mcg of fluticasone propionate inhalation powder or single doses of 1760 or 3520 mcg of fluticesone propionate inhalation aerosol was well tolerated. Fluticasone propionate 893 894 given by inhalation aerosol at doses of 1320 mog twice daily for 7 to 15 days to healthy human volunteers was also well tolerated. Repeat oral doses up to 80 mg daily for 10 days in healthy 895 896 volunteers and repeat oral doses up to 20 mg daily for 42 days in patients were well tolerated. Adverse reactions were of mild or moderate severity, and incidences were similar in active and 897 placebo treatment groups. The orel and subcutaneous median lethal doses in mice and rats were 898 >1000 mg/kg (>4300 and >8700 times, respectively, the maximum recommended daily inhalation 899 900 dose in adults on a mo/m<sup>2</sup> basis). Salmeterol: The expected signs and symptoms with overdosage of salmeterol are those of 901 902 excessive beta-adrenergic stimulation and/or occurrence or exaggeration of any of the signs and 903 symptoms listed under ADVERSE REACTIONS, e.g., seizures, angina, hypertension or hypotension, tachycardia with rates up to 200 beats/min, arrhythmias, nervousness, headache, 904 905 tremor, muscle cramps, dry mouth, palpitation, nausea, dizziness, fatigue, malaise, and insomnia. Overdosage with salmeterol may be expected to result in exaggeration of the pharmacologic 906 907 adverse effects associated with beta-adrenoceptor agonists, including tachycardia and/or 908 arrhythmia, tremor, headache, and muscle gramps. Overdosage with salmeterol can lead to clinically significant prolongation of the QTs interval, which can produce ventricular arrhythmias. 909 -Other signs of overdosage may include hypokalemia and hyperglycemia. 910

As with all sympathomimetic medications, cardiac arrest and even death may be associated with abuse of salmeterol.

Treatment consists of discontinuation of salmeterol together with appropriate symptomatic therapy. The judicious use of a cardioselective beta-receptor blocker may be considered, bearing in mind that such medication can produce bronchospasm. There is insufficient evidence to determine if dialysis is beneficial for overdosage of salmeterol. Cardiac monitoring is recommended in cases of overdosage.

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol 50 mcg inhalation powder)

No deaths were seen in rats given salmeterol at an inhalation dose of 2.9 mg/kg (approximately 250 times the maximum recommended daily inhalation dose in adults on a mg/m² basis) and in dogs at an inhalation dose of 0.7 mg/kg (approximately 200 times the maximum recommended daily inhalation dose in adults on a mg/m² basis). By the oral route, no deaths occurred in mice at 150 mg/kg (approximately 6500 times the maximum recommended daily inhalation dose in adults on a mg/m² basis) and in rats at 1000 mg/kg (approximately 86,000 times the maximum recommended daily inhalation dose in adults on a mg/m² basis).

DOSAGE AND ADMINISTRATION: ADVAIR DISKUS is available in 3 strengths, ADVAIR DISKUS 100/50, ADVAIR DISKUS 250/50, and ADVAIR DISKUS 500/50, containing 100, 250, and 500 mcg of fluticasone propionate, respectively, and 50 mcg of salmeterol per inhalation. ADVAIR DISKUS should be administered by the orally inhaled route only (see PATIENT'S INSTRUCTIONS FOR USE).

For patients 12 years of age and older, the dosage is 1 inhalation twice daily (morning and evening, approximately 12 hours apart).

The recommended starting doses for ADVAIR DISKUS are based upon patients' current asthma therapy.

- For patients who are not currently on an inhaled corticosteroid, whose disease severity warrants treatment with 2 maintenance therapies, including patients on non-corticosteroid maintenance therapy, the recommended starting dose is ADVAIR DISKUS 100/50 twice daily.
- For patients on an inhaled corticosteroid, Table 4 provides the recommended starting dose. The maximum recommended dose is ADVAIR DISKUS 500/50 twice daily.
- For all patients it is desirable to titrate to the lowest effective strength after adequate asthma stability is achieved.

APPEARS THIS WAY
ON ORIGINAL

## ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS® 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder ADVAIR\* DISKUS\* 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

Table 4: Recommended Doses of ADVAIR DISKUS for Patients Taking Inhaled Corticosteroids

Current Daily Dose of Inhaled Corticosteroid		Recommended Strength and Dosing Schedule of ADVAIR DISKUS	
	≤420 mcg	_ 100/50 twice daily	
Beclomethasone dipropionate	482-840 mcg	250/50 twice daily	
	≤400 mcg	100/50 twice daily	
•	800-1200 mcg	250/50 twice daily	
Budesonide	1600 mcg*	500/50 twice daily	
•	≤1000 mcg	100/50 twice daily	
Flunisolide	1250-2000 mog	250/50 twice daily	
	≰176 mcg	100/50 twice daily	
	440 mcg	250/50 twice daily	
Fluticasone propionate inhalation aerosol	660-880 mcg*	500/50 twice daily	
	≤200 mcg	100/50 twice daily	
	500 mcg	250/50 twice daily	
Fluticasone propionate inhalation powder	1000 mcg*	500/50 twice daily	
	≤1000 mcg	100/50 twice daily	
Triamcinolone acetonide	1100-1600 mcg	250/50 twice daily	

\*ADVAIR DISKUS should not be used for transferring patients from systèmic corticosteroid therapy.

944 945 946

947

948 949 ADVAIR DISKUS should be administered twice daily every day. More frequent administration (more than twice daily) or a higher number of inhalations (more than 1 inhalation twice daily) of the prescribed strength of ADVAIR DISKUS is not recommended as some patients are more likely to experience adverse effects with higher doses of salmaterol. The safety and efficacy of ADVAIR DISKUS when administered in excess of recommended doses have not been established.

950 951

If symptoms arise in the period between doses, an inhaled, short-acting beta<sub>2</sub>-agonist should be taken for immediate relief.

952 953

Patients who are receiving ADVAIR DISKUS twice daily should not use salmeterol for prevention of exercise-induced branchospasm, or for any other reason.

954 955

956

Improvement in asthma control following inhaled administration of ADVAIR DISKUS can occur within 30 minutes of beginning treatment, although maximum benefit may not be achieved for 1 week or longer after starting treatment. Individual patients will experience a variable time to onset and degree of symptom relief.

957 958 959

For patients who do not respond adequately to the starting dose after 2 weeks of therapy, replacing the current strength of ADVAIR DISKUS with a higher strength may provide additional asthma control.

960 961

ADVAIR DISKUS 100/50

(fluticasone propionate 100 mcg and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmeterol\* 50 mcg inhalation powder

ADVAIR DISKUS 500/50

(fluticasone propionate 500 mcg and salmeterol\* 50 mcg inhalation powder)

If a previously effective dosage regimen of ADVAIR DISKUS fails to provide adequate control of asthma, the therapeutic regimen should be reevaluated and additional therapeutic options, e.g., replacing the current strength of ADVAIR DISKUS with a higher strength, adding additional inhaled conticosteroid, or initiating oral conticosteroids, should be considered.

Rinsing the mouth after inhalation is advised.

Geriatric Use: In studies where geriatric patients (65 years of age of older, see PRECAUTIONS: Geriatric Use) have been treated with ADVAIR DISKUS, efficacy and safety did not differ from that in younger patients. Based on available data for ADVAIR DISKUS and its active components, no dosage adjustment is recommended.

Directions for Use: Illustrated Patient's Instructions for Use accompany each package of ADVAIR DISKUS.

HOW SUPPLIED: ADVAIR DISKUS 100/50 is supplied as a disposable, purple-colored device containing 60 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0895-00). ADVAIR DISKUS 100/50 is also supplied in an institutional pack of 1 purple-colored, disposable DISKUS inhalation device containing 28 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0695-02).

ADVAIR DISKUS 250/50 is supplied as a disposable, purple-colored device containing 60 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0696-00). ADVAIR DISKUS 250/50 is also supplied in an institutional pack of 1 purple-colored, disposable DISKUS inhalation device containing 28 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0696-02).

ADVAIR DISKUS 500/50 is supplied as a disposable, purple-colored device containing 60 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0697-00). ADVAIR DISKUS 500/50 is also supplied in an institutional pack of 1 purple-colored, disposable DISKUS inhalation device containing 28 blisters. The DISKUS inhalation device is packaged within a purple-colored, plastic-coated, moisture-protective foil pouch (NDC 0173-0697-02).

Store at controlled room temperature (see USP), 20° to 25°C (68° to 77°F) in a dry place away from direct heat or sunlight. Keep out of reach of children. The DISKUS inhalation device is not reusable. The device should be discarded 1 month after removal from the moisture-protective foil overwrap pouch or after every blister has been used (when the dose indicator reads "0"), whichever comes first. Do not attempt to take the device apart.

ADVAIR DISKUS 100/50
(fluticasone propionate 100 mcg and salmeterol* 50 mcg inhalation powder ADVAIR** DISKUS** 250/50
(fluticasone propionate 250 mcg and salmeterol* 50 mcg inhalation nowder
ADVAIR® DISKUS® 500/50 (flutigasone propionate 500 mcg and salmeterol® 50 mcg inhalation powder

999	Giaxowelicor	ne		
1000	Glaxo Wellcome Inc.		<b>-</b> ·	
1001	Research Triangle Park, NO	27709		
1002				
1003	US Patent Nos. 4,335,121;	4,992,474; 5,225,445; 5,126,375; D342,994;	 5.270 305: 5	S R60 410.
1004 1005	5,590,645; and 5,873,360	· • ·	0,2,000,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1006	Copyright 1999, Glaxo We	illcome Inc. All rights reserved.		
1007				,
1008	August 2000	RL-858		•

APPEARS THIS WAY ON ORIGINAL

10

11 12

13 14 15

16 17

> 18 19 20

23 24

25

38 31

21 22

26 27

28

32 33

34 35

36 37 38

39 40

41

44

43

these 2 causes of asthma symptoms. Fluticasone propionate is a synthetic corticosteroid.

000037

ADVAIR™ DISKUS® 100/50

(fluticasone propionate 100 mog and salmeterol\* 50 mcg inhalation powder)

ADVAIR DISKUS 250/50

(fluticasone propionate 250 mcg and salmetero)\* 50 mcg-inhalation powder)

ADVAIR™ DISKUS® 500/50

(fluticasone propionate 500 mog and salmeterol\* 50 mog inhalation powder)

\*As salmeterol xinafoate salt 72.5 mcg, equivalent to salmeterol base 50 mcg

FOR ORAL INHALATION ONLY

(Illustration of device with parts labeled:

**Outer Case** Mouthplece Lever

Thumborip Dose Indicator)

Read this leaflet carefully before you start to take your medicine. It provides a summary of information about your medicine. Keep it for future use. Read the leaflet every time you refill your prescription because there may be new information.

For more information ask your doctor or pharmacist.

WIND OVER DEARS WHILE Your doctor has prescribed ADVAIR DISKUS 100/50, ADVAIR DISKUS 250/50, or ADVAIR DISKUS 500/50. The medicine is available in 3 different strengths, and your doctor has chosen the one most

suitable for you. Asthma is a long-term condition affecting the lungs. Symptoms of asthma include shortness of breath, wheezing, chest tightness, and cough. Two main causes of asthma symptoms are

bronchoconstriction (lightening of the muscles surrounding the airways) and inflammation (swelling and irritation of the airways).

ADVAIR DISKUS contains 2 medicines, fluticasone propionate and salmeterol xinafoate, which treat

- 45 Corticosferoids are natural anti-inflammatory substances found in the body. They are used to treat 46 asthma because they reduce airway inflammation.
- Salmeterol is a long-acting bronchodilator that helps prevent and relieve bronchospasm, making it 48 49 50 easier to breathe.

THE PROPERTY OF THE PROPERTY O

51 When inhaled regularly, ADVAIR DISKUS helps to prevent symptoms of asthma.

## 52 53

54

55

56

57

58

59

60

61

63

64 65 66

67

68 69

81

82

### 1. TELL YOUR DOCTOR BEFORE STARTING TO TAKE THIS MEDICINE:

- If you are pregnant (or intending to become pregnant),
- If you are breastfeeding a baby.
- If you are allergic to ADVAIR DISKUS, or any other orally inhaled bronchodilator or corticosteroid. In some circumstances, this medicine may not be suitable and your doctor may wish to give you a different medicine.
- Make sure that your doctor knows what other medicines you are taking.
- 2. It is important that you inhale each dose as your doctor has advised. The label will usually tell-62 you what dose to take and how often. If it doesn't, or if you are not sure, ask your doctor or pharmacist. Do not use ADVAIR DISKUS more frequently than 2 times daily, morning and evening, approximately 12 hours apart, at the recommended dose of 1 inhalation each.
  - You may feel better efter the first dose of ADVAIR DISKUS; however, it may take 1 week or longer to achieve maximum benefit. It is IMPORTANT THAT YOU USE ADVAIR DISKUS REGULARLY, DO NOT STOP TREATMENT EVEN IF YOU ARE FEELING BETTER unless told to do so by your doctor.
- 70 4. If you miss a dose, just take your next scheduled dose when it is due. DO NOT DOUBLE the 71
- 72 5. DO NOT USE ADVAIR DISKUS TO RELIEVE SUDDEN ASTHMA SYMPTOMS (e.g., sudden 73 severe onset or worsening of wheezing, cough, chest tightness, and/or shortness of breath that 74 has been diagnosed by your doctor as due to asthma). If you experience sudden asthma 75 symptoms, you should not take ADVAIR DISKUS to relieve these symptoms. Sudden 76 asthme symptoms should be treated with an inhaled, short-acting bronchodilator such as 77 albuterol. If you do not have an inhaled, short-acting bronchodiletor, contact your doctor to have 78 one prescribed for you.
- 79 Tell your doctor immediately if your asthma is getting worse, as indicated by any of the following situations. 80
  - Your inhaled, short-acting bronchodilator becomes less effective.
    - You need more inhalations than usual of your inhaled, short-acting bronchodilator.
- You have a significant decrease in your peak flow measurement as previously defined by your 83 84
- If your symptoms do not improve after using ADVAIR DISKUS regularly for 2 weeks, tell your 85 doctor. 86

	•
87	8. While you are taking ADVAIR DISKUS twice daily, you should not use SEREVENT®
88	DISKUS® (salmeterol xinafoate inhalation powder) or SEREVENT® (salmeterol xinafoate)
89	inhalation Aerosol for any reason, including prevention of exercise-induced asthma or
90	the maintenance treatment of asthma.
91	9. Use other inhaled medicines only as directed by your doctor.
92	10. Do not use ADVAIR DISKUS with a spacer device.
93	
94	The same of the sa
95 96	Follow the Instructions below. If you have any questions, ask your doctor or pharmacist.
97	When you take the ADVAIR DISKUS out of the box and foil overwrap pouch, write the "Pouch
98	opened" and "Use by" dates on the label in the space provided on the device. The "Use by" date
99 100	is 1 month from date of opening.
181	The DISKUS <sup>®</sup> inhalation device will be in the closed position when the pouch is opened.
103	The dose indicator on the top of the DISKUS tells you how many doses are left. The dose indicator
104	number will decrease each time you use the DISKUS. After the DISKUS has delivered 55 doses (23
105	doses for the institutional or sample pack), numbers 5 to 0 will appear in red to warn you that there
106	are only a few doses left (see Figure 1).
107	
108	Figure 1
109	
119	Taking a dose of ADVAIR DISKUS requires the following 3 simple steps: Open, Click, Inhale.
112	1. OPEN: Hold the DISKUS in one hand and put the thumb of your other hand on the thumbgrip.
113	Push your thumb away from you as far as it will go until the mouthpiece appears and snaps into
114	position (see Figure 2).
115	
116	Figure 2
117	
118	2. CLICK: Hold the DISKUS in a level, horizontal position with the mouthpiece towards you. Slide
119	the lever away from you as far as it will go until it clicks (see Figure 3). The DISKUS is now ready to
120	use.
121	
122	Figure 3
123	man and the state of the state
124	Every time the lever is pushed back, a dose is ready to inhale. This is shown by a decrease in
125	numbers on the dose counter. To avoid releasing or wasting doses:
126	• do not close the DISKUS,
127	• do not tilt the DISKUS,
128	do not play with the lever,     do not advance the lever man than ence
129	<ul> <li>do not advance the lever more than once.</li> <li>INHALE: Before inhaling your dose of ADVAIR DISKUS, breathe out as far as is comfortable,</li> </ul>
130	holding the DISKUS level and away from your mouth (see Figure 4). Remember, never breathe out
131	Inding the Cigaro icaei dig safe high land indin long (200 Light A). Vellening i heart plante of

into the DISKUS mouthpiece.

132 133

134	Figure 4			
135				
136	Put the mouthpiece to your lips (see Figure 5). Breathe in quickly and deeply through the DISKUS,			
137	not through your nose.			
138 139	Planes P			
140	Figure 5			
141	Remove the DISKUS from your mouth. Hold your breath for about 10 seconds, or for as long as is			
	comfortable. Breathe out slowly.			
142	•			
144	CLOSE the DISKUS when you are finished talding a dose so that the DISKUS will be ready for			
145	you to take your next dose. Put your thumb on the thumbgrip and slide the thumbgrip back toward			
146 147	you as far as it will go (see Figure 6). The DISKUS will click shut. The lever will automatically return			
148	to its original position. The DISKUS is now ready for you to take your next scheduled dose, due in approximately 12 hours. (Repeat steps 1 through 3.)			
149	approximately 12 modes, preparately 1 minorall 0.7			
150	Figure 6			
151	•			
152	REMEMBER:			
153	REMEMBER:  Never extrale into the DISKUS.  Never attempt to take the DISKUS apart.			
154	Never attempt to take the DISKUS apart,			
155	<ul> <li>Aways activate and use the DISKOS in a level, nonzontal position.</li> </ul>			
156	Never wash the mouthpiece or any part of the DISKUS, KEEP IT DRY.			
157	Always keep the DISKUS in a dry place.			
158				
159	The same of the sa			
160	Store at controlled room temperature, 20° to 25°C (68° to 77°F) in a dry place away from direct			
161	heat or sunlight. Keep out of reach of children. The DISKUS inhalation device is not reusable			
162 163	The device should be discarded 1 month after removal from the moisture-protective foil overwrap pouch or after every blister has been used (when the dose indicator reads "0"),			
	whichever comes first. Do not attempt to take the device apart.			
165	· · · · · · · · · · · · · · · · · · ·			
166	REMEMBER: This medicine has been prescribed for you by your doctor. DO NOT give this			
167	medicine to anyone else.			
168				
169				
170	This leaflet does not contain the complete information about your medication. If you have any			
	questions, or are not sure about something, then you should ask your doctor or pharmacist.			
171 172				
173	You may want to read this leaflet again. Please DO NOT THROW IT AWAY until you have finished			
174 175	your medicine.			
176	Your doctor has determined that this product is likely to help your personal health. USE THIS			
177	PRODUCT AS DIRECTED, UNLESS INSTRUCTED TO DO OTHERWISE BY YOUR DOCTOR. If			
178	you have any questions about alternatives, consult with your doctor.			
179	Lad Hare and deconous and an arrangers of conser and lad ander.			
-17				

180	- **7.	GlaxoWellcon	na .
181	·· į	Glaxo Wellcome Inc.	
182 183	, €	Research Triangle Park, NC	
184 185 186		US Patent Nos. 4,335,121; 4,992,474; 5,225,445 5,270,305; 5,880,419; 5,590,645; and	; 5,126,375; D342,894; 15,873,360
187 188		@Copyright 1999, Glaxo Wellcome Inc.	All rights reserved.
189		August 2000	•·· RL-858

APPEARS THIS WAY ON ORIGINAL

# WITHHOLD 12 PAGE (S)

Draft
Labeling