

**HIGHLIGHTS OF PRESCRIBING INFORMATION**

**These highlights do not include all the information needed to use NUVESSA™ safely and effectively. See full prescribing information for NUVESSA.**

**NUVESSA™ (metronidazole vaginal gel 1.3%)  
Initial U.S. Approval: 1963**

-----**RECENT MAJOR CHANGES**-----

Indications and Usage, (1) 8/2018  
Warnings and Precautions, Central and Peripheral Nervous System Effects (5.1) 8/2018

-----**INDICATIONS AND USAGE**-----

NUVESSA™ is a nitroimidazole antimicrobial indicated for the treatment of bacterial vaginosis in females 12 years of age and older. (1)

-----**DOSAGE AND ADMINISTRATION**-----

- A single-dose, pre-filled disposable applicator administered once intravaginally at bedtime. (2)
- NUVESSA is not for ophthalmic, dermal, or oral use. (2)

-----**DOSAGE FORMS AND STRENGTHS**-----

Vaginal gel: 65 mg of metronidazole in 5 grams of gel (1.3%) in a prefilled applicator (3)

-----**CONTRAINDICATIONS**-----

- History of hypersensitivity to metronidazole, parabens, other ingredients of the formulation, or other nitroimidazole derivatives (4.1)
- Concomitant use of disulfiram or within 2 weeks of disulfiram (4.2, 7.1)
- Concomitant use of alcohol (4.3, 7.2)

-----**WARNINGS AND PRECAUTIONS**-----

- Central and peripheral nervous system effects: Convulsive seizures and peripheral neuropathy have been reported in patients treated with oral or intravenous metronidazole. Discontinue promptly if abnormal neurologic signs develop (5.1)
- Interference with laboratory tests: Metronidazole may interfere with certain serum chemistry laboratory values. (5.3)

-----**ADVERSE REACTIONS**-----

The most common adverse reactions observed in adult clinical studies (incidence ≥1%) were vulvovaginal candidiasis, headache, vulvovaginal pruritus, nausea, diarrhea, and dysmenorrhea.

The most common adverse reactions observed in pediatric clinical studies (incidence ≥1%) was vulvovaginal discomfort. (6.1)

**To report SUSPECTED ADVERSE REACTIONS, contact Exeltis USA, Inc., at 1-877-324-9349 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

-----**DRUG INTERACTIONS**-----

- Warfarin and other coumarin anticoagulants: Prolonged anticoagulant effects of warfarin and other coumarin anticoagulants have been reported with co-administration of oral metronidazole. (7.3)
- Lithium: Elevated plasma lithium concentrations have been reported with oral metronidazole. (7.4)

-----**USE IN SPECIFIC POPULATIONS**-----

Lactation: Breastfeeding is not recommended. Discontinue breastfeeding for 2 days after NUVESSA use. (8.2)

**See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling**

**Revised: 8/2018**

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\*Sections or subsections omitted from the full prescribing information are not listed

## FULL PRESCRIBING INFORMATION

### 1 INDICATIONS AND USAGE

NUVESSA is indicated for the treatment of bacterial vaginosis in females 12 years of age and older.

### 2 DOSAGE AND ADMINISTRATION

A single-dose, pre-filled disposable applicator (which delivers approximately 5 g of gel containing 65 mg of metronidazole) administered once intravaginally. NUVESSA should be administered at bedtime.

NUVESSA is not for ophthalmic, dermal or oral use.

### 3 DOSAGE FORMS AND STRENGTHS

Vaginal gel (1.3%) containing 65 mg of metronidazole in 5 grams of gel in a pre-filled applicator.

### 4 CONTRAINDICATIONS

#### 4.1 Hypersensitivity

NUVESSA is contraindicated in persons who have shown hypersensitivity to metronidazole, parabens, other ingredients of the formulation, or other nitroimidazole derivatives.

#### 4.2 Use of Disulfiram

Psychotic reactions have been reported with co-administration disulfiram and oral metronidazole. Do not administer concurrently with or within 2 weeks of disulfiram.

#### 4.3 Concomitant Alcohol

Disulfiram-like reactions to alcohol have been reported with co-administration of oral metronidazole; do not consume ethanol or propylene glycol, during and for at least 24 hours following treatment.

### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Central and Peripheral Nervous System Effects

Convulsive seizures, encephalopathy, aseptic meningitis, optic and peripheral neuropathy, the latter characterized mainly by numbness or paresthesia of an extremity, have been reported in patients treated with oral or intravenous metronidazole. NUVESSA should be administered with caution to patients with central nervous system diseases. Discontinue promptly if abnormal neurologic signs develop.

#### 5.2 Carcinogenicity in Animals

Metronidazole has been shown to be carcinogenic at high doses administered orally in mice and rats [*see Nonclinical Toxicology (13.1)*]. Unnecessary use of metronidazole should be avoided. Use of NUVESSA should be reserved for the treatment of bacterial vaginosis [*see Indications and Usage (1)*].

#### 5.3 Drug/Laboratory Test Interactions

Metronidazole may interfere with certain types of determinations of serum chemistry values, such as aspartate aminotransferase (AST, SGOT), alanine aminotransferase (ALT, SGPT), lactate dehydrogenase (LDH), triglycerides, and glucose hexokinase. Values of zero may be observed. All of the assays in which interference has been reported involve enzymatic coupling of the assay to oxidation reduction of nicotinamide-adenine dinucleotides (NAD + NADH). Interference is due to the similarity in absorbance peaks of NADH (340 nm) and metronidazole (322 nm) at pH 7.

### 6 ADVERSE REACTIONS

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

## 6.1 Clinical Trials Experience

### Clinical Trial Experience in Adult Subjects

The safety of NUVESSA was evaluated in a randomized, double-blind, vehicle-controlled study in subjects with bacterial vaginosis. A total of 321 non-pregnant females with a mean age of 33.4 years (range 18 to 67 years) received NUVESSA. Subjects were primarily Black/African American (58.3%) or White (39.3%). Subjects administered a single dose of NUVESSA at bedtime on the first day of the study.

There were no deaths or serious adverse reactions in this trial. Adverse reactions were reported by 19.0% of subjects treated with NUVESSA versus 16.1% of subjects treated with Vehicle Gel.

Adverse reactions occurring in  $\geq 1\%$  of subjects receiving NUVESSA were: vulvovaginal candidiasis (5.6%), headache (2.2%), vulvovaginal pruritus (1.6%), nausea (1.6%), diarrhea (1.2%), and dysmenorrhea (1.2%). No subjects discontinued treatment due to adverse reactions.

### Clinical Trial Experience in Pediatric Subjects

The safety of NUVESSA was evaluated in a multicenter, open-label study evaluating the safety and tolerability of NUVESSA in 60 pediatric subjects between the ages of 12 and less than 18 years old all of whom were treated with a single dose of NUVESSA administered once at bedtime intravaginally. Most subjects in this study were either Black/African-American, non-Hispanic (47%) or Hispanic (35%)

Safety in pediatric female subjects aged 12 to less than 18 years old was comparable to adult women. No deaths occurred and no subjects discontinued treatment due to adverse reactions. Adverse reactions occurring in  $\geq 1\%$  of pediatric subjects included: vulvovaginal discomfort (2%).

## 6.2 Other Metronidazole Formulations

### *Other Vaginal Formulations*

Other reactions that have been reported in association with the use of other formulations of metronidazole vaginal gel include: unusual taste and decreased appetite.

### *Topical (Dermal) Formulations*

Other reactions that have been reported in association with the use of topical (dermal) formulations of metronidazole include skin irritation, transient skin erythema, and mild skin dryness and burning. None of these adverse reactions exceeded an incidence of 2% of patients.

### *Oral and Parenteral Formulations*

The following adverse reactions and altered laboratory tests have been reported with the oral or parenteral use of metronidazole:

*Cardiovascular:* Flattening of the T-wave may be seen in electrocardiographic tracings.

*Nervous System:* The most serious adverse reactions reported in patients treated with oral metronidazole have been convulsive seizures, encephalopathy, aseptic meningitis, optic and peripheral neuropathy, the latter characterized mainly by numbness or paresthesia of an extremity. In addition, patients have reported syncope, vertigo, incoordination, ataxia, confusion, dysarthria, irritability, depression, weakness, and insomnia. [*see Warnings and Precautions (5.1)*]

*Gastrointestinal:* Abdominal discomfort, nausea, vomiting, diarrhea, an unpleasant metallic taste, anorexia, epigastric distress, abdominal cramping, constipation, “furry” tongue, glossitis, stomatitis, pancreatitis, and modification of taste of alcoholic beverages.

*Genitourinary:* Overgrowth of *Candida* in the vagina, dyspareunia, decreased libido, proctitis.

*Hematopoietic:* Reversible neutropenia, reversible thrombocytopenia.

*Hypersensitivity Reactions:* Urticaria; erythematous rash; Stevens-Johnson Syndrome, toxic epidermal necrolysis, flushing; nasal congestion; dryness of the mouth, vagina, or vulva; fever; pruritus; fleeting joint pains [*see Contraindications (4)*].

*Renal:* Dysuria, cystitis, polyuria, incontinence, a sense of pelvic pressure, darkened urine.

## **7 DRUG INTERACTIONS**

The intravaginal administration of a single dose of NUVESSA results in lower systemic exposure to metronidazole that is approximately 2% to 4% of that achieved following oral administration of 500 mg metronidazole tablets [*see Clinical Pharmacology (12.3)*]. The following drug interactions were reported for oral metronidazole.

### **7.1 Disulfiram**

Use of oral metronidazole has been associated with psychotic reactions in alcoholic patients who are using disulfiram concurrently. NUVESSA should not be used by patients who have taken disulfiram within the last two weeks [*see Contraindications (4.2)*].

### **7.2 Alcoholic Beverages**

Use of oral metronidazole has been associated with a disulfiram-like reaction (abdominal cramps, nausea, vomiting, headaches, and flushing) to alcohol. Alcoholic beverages and preparations containing ethanol or propylene glycol should not be consumed during and for at least 24 hours after NUVESSA therapy [*see Contraindications (4.3)*].

### **7.3 Coumarin and Other Oral Anticoagulants**

Use of oral metronidazole has been reported to potentiate the anticoagulant effect of warfarin and other coumarin anticoagulants, resulting in a prolongation of prothrombin time. This possible drug interaction should be considered when NUVESSA is prescribed for patients on this type of anticoagulant therapy.

### **7.4 Lithium**

Short-term use of oral metronidazole has been associated with elevation of plasma lithium concentrations and, in a few cases, signs of lithium toxicity in patients stabilized on relatively high doses of lithium.

### **7.5 Cimetidine**

Use of oral metronidazole with cimetidine may prolong the half-life and decrease plasma clearance of metronidazole. No dose adjustment of NUVESSA is necessary.

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

#### Risk Summary

There are no data available on the use of NUVESSA in pregnant women. Metronidazole usage in pregnancy has been associated with certain congenital anomalies (*see Data*). In animal reproduction studies, no fetotoxicity or teratogenicity was observed when metronidazole was administered orally, during organogenesis to pregnant rats and rabbits at up to 60 times and 30 times the recommended human dose based on body surface area comparison, respectfully(*see Data*).

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

## Data

### *Human Data*

Blood levels following NUVESSA vaginal administration are lower than those achieved with oral metronidazole. Following a single intravaginal 5 g dose of NUVESSA, mean maximum concentration ( $C_{max}$ ) and total exposure ( $AUC_{0-\infty}$ ) are approximately 2% and 4%, respectively, of those following a single oral 500 mg dose of metronidazole tablets [see *Clinical Pharmacology (12.3)*]. Metronidazole crosses the placental barrier and enters the fetal circulation rapidly.

There are published data from case-control studies, cohort studies, and 2 meta-analyses that include more than 5000 pregnant women who used metronidazole during pregnancy. Many studies included first trimester exposures. One study showed an increased risk of cleft lip, with or without cleft palate, in infants exposed to metronidazole *in utero*; however, these findings were not confirmed.

In addition, more than ten randomized placebo-controlled clinical trials enrolled more than 5000 pregnant women to assess the use of antibiotic treatment (including metronidazole) for bacterial vaginosis on the incidence of preterm delivery. Most studies did not show an increased risk for congenital anomalies or other adverse fetal outcomes following metronidazole exposure during pregnancy.

Three studies conducted to assess the risk of infant cancer following metronidazole exposure during pregnancy did not show an increased risk; however, the ability of these studies to detect such a signal was limited.

### *Animal Data*

No fetotoxicity or teratogenicity was observed when metronidazole was administered orally to pregnant rabbits at up to 200 mg/kg (about 60 times the maximum human dose based on body surface area comparison). Similarly, no fetotoxic or teratogenic effects were observed in five studies in rats where dosing was administered orally in the diet or by gastric intubation at doses up to 200 mg/kg (about 30 times the maximum human dose based on body surface area comparison).

As well, no fetotoxicity or teratogenicity was observed when metronidazole was administered orally to pregnant mice at doses up to 100 mg/kg (about 7 times the maximum human dose based on body surface area comparison). However, some intrauterine deaths were observed in Swiss Webster mice administered metronidazole intraperitoneally at doses up to 15 mg/kg (about 1 times the maximum human dose based on body surface area comparison). The relationship of these intraperitoneal findings in mice to the vaginal use of NUVESSA is unknown.

## **8.2 Lactation**

### Risk Summary

There is no information on the presence of metronidazole in human milk, or the effects on the breast-fed child, or the effects on milk production following intravaginal administration of NUVESSA. Metronidazole is present in human milk following oral metronidazole administration, at concentrations similar to plasma concentrations (see *Data*). Since some metronidazole is systemically absorbed following vaginal administration of NUVESSA, excretion in human milk following topical use is possible.

Because of the potential risk for tumorigenicity shown in animal studies with metronidazole, breastfeeding is not recommended during treatment with NUVESSA and for 2 days (based on half-life) after NUVESSA therapy ends (see *Clinical Considerations*).

## Clinical Considerations

A nursing mother may choose to pump and discard her milk during NUVESSA therapy and for 2 days after NUVESSA therapy ends, and feed her infant stored human milk or formula.

## Data

In a study of nursing mothers receiving oral metronidazole 600 (n=11) or 1200 (n=4) mg daily, mean maternal plasma concentrations were 5.0 and 12.5 mcg/mL, respectively, within 2 hours following administration; the milk: maternal plasma ratio was approximately 1.

### **8.4 Pediatric Use**

The safety and effectiveness of NUVESSA have been established in pediatric subjects between the ages of 12 and less than 18 years old. Use of NUVESSA in this age group is supported by evidence from a multicenter, open-label safety and tolerability study in 60 pediatric subjects with bacterial vaginosis [see *Adverse Reactions (6.1)*] and, evidence from adequate and well-controlled studies in adult women,

The safety and effectiveness of NUVESSA in pediatric subjects below the age of 12 years have not been established.

### **8.5 Geriatric Use**

Clinical studies with NUVESSA did not include sufficient numbers of subjects 65 years of age or older to determine whether they respond differently than younger subjects.

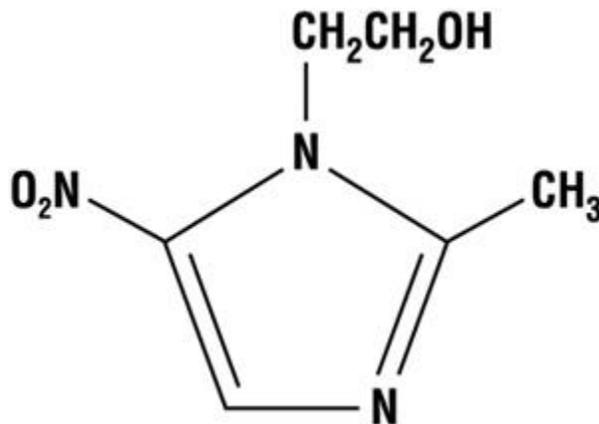
## **10 OVERDOSAGE**

There is no human experience with overdosage of metronidazole vaginal gel. Vaginally applied NUVESSA could be absorbed in sufficient amounts to produce systemic effects [see *Warnings and Precautions (5)* and *Adverse Reactions (6.2)*].

## **11 DESCRIPTION**

NUVESSA contains 1.3% metronidazole, USP in a single-dose prefilled disposable applicator. It is intended for intravaginal use. Metronidazole is a nitroimidazole antimicrobial.

Chemically, metronidazole is a 2-methyl-5-nitroimidazole-1-ethanol. Its structural formula is:



The molecular formula is C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>3</sub> with a molecular weight of 171.16.

NUVESSA is an aqueous gel containing metronidazole at a concentration of 13 mg/g (1.3%). The gel is formulated at pH 4.0. The gel also contains benzyl alcohol, methylparaben, polycarbophil, polyethylene glycol 400, propylene glycol, propylparaben, and purified water.

Each applicator contains approximately 65 mg of metronidazole in 5 g of vaginal gel.

## **12 CLINICAL PHARMACOLOGY**

### **12.1 Mechanism of Action**

Metronidazole is an antimicrobial drug [*see Microbiology (12.4)*].

### **12.3 Pharmacokinetics**

Following a single, intravaginal 5 g dose of NUVESSA (equivalent to 65 mg of metronidazole) to 20 healthy female subjects, a mean maximum serum metronidazole concentration ( $C_{max}$ ) of 239 ng/mL was observed (range: 114 to 428 ng/mL). The average time to achieve this  $C_{max}$  was 7.3 hours (range: 4 to 18 hours). This  $C_{max}$  is approximately 2% of the mean maximum serum concentration reported in healthy subjects administered a single, oral 500 mg dose of metronidazole tablets (mean  $C_{max}$  = 12,785 ng/mL).

The extent of exposure [area under the curve (AUC)] of metronidazole, when administered as a single intravaginal 5 g dose of NUVESSA (equivalent to 65 mg of metronidazole), was 5,434 ng•hr/mL (range: 1382 to 12744 ng•hr/mL). This  $AUC_{0-\infty}$  is approximately 4% of the reported AUC of metronidazole following a single oral 500 mg dose of metronidazole (approximately 125,000 ng•hr/mL).

### **12.4 Microbiology**

Metronidazole is a nitroimidazole antimicrobial agent that acts primarily against anaerobic bacteria and selected protozoa. The 5-nitro group on the metronidazole molecule is reduced by metabolically active anaerobes to its active state by the bacterial nitro-reductase enzyme after it diffuses into the bacterial cell. This results in the production of cytotoxic compounds that disrupt the helical structure of bacterial DNA thereby inhibiting bacterial nucleic acid synthesis which leads to cell death.

Culture and sensitivity testing of bacteria are not routinely performed to establish the diagnosis of bacterial vaginosis [*see Clinical Studies (14)*]

Metronidazole is active *in vitro* against most isolates of the following organisms that have been reported to be associated with bacterial vaginosis:

*Bacteroides* spp.  
*Gardnerella vaginalis*  
*Mobiluncus* spp.  
*Peptostreptococcus* spp.

## **13 NONCLINICAL TOXICOLOGY**

### **13.1 Carcinogenesis Mutagenesis, Impairment of Fertility**

Metronidazole has shown evidence of carcinogenic activity in a number of studies involving chronic oral administration in mice and rats. Pulmonary tumors were reported in several mouse studies in which mice were dosed orally at 75 mg/kg and above (about 6 or more times the maximum recommended human dose based on mg/m<sup>2</sup>). Malignant lymphoma was reported at 66 mg/kg and above (about 5 or more times the maximum recommended human dose based on mg/m<sup>2</sup>). These tumors have been observed in all six reported studies in the mouse, including one study in which the animals were dosed on an intermittent schedule (administration during every fourth week only). All these effects were statistically significant.

There were statistically significant increases in the incidence of mammary tumors, among female rats administered metronidazole at 270 mg/kg and above (about 40 times the maximum human dose based on mg/m<sup>2</sup>). Hepatic adenomas and carcinomas were observed in rats administered 300 mg/kg (about 45 times the maximum human dose based on mg/m<sup>2</sup>).

Two lifetime oral tumorigenicity studies in hamsters have been performed and reported to be negative at doses up to 80 mg/kg (about 10 times the maximum human dose based on mg/m<sup>2</sup>).

Carcinogenesis studies have not been conducted with NUVESSA.

Although metronidazole has shown *in vitro* mutagenic activity in bacterial reverse mutation tests, it was negative in *in vitro* mammalian mutation systems including CHO/HGPRT and CH V79 lung cell assays. Metronidazole was not clastogenic *in vitro* chromosome aberration tests in CHO cells up to 5000 µg/mL but was positive in human and monkey peripheral blood lymphocytes at 0.1 µg/mL.

In general, numerous micronucleus studies in rats and mice have failed to demonstrate a potential for genetic damage up to single oral doses 3000 mg/kg in mice (about 225 times the maximum human dose based on mg/m<sup>2</sup>). However, a dose dependent increase in the frequency of micronuclei was observed in CFW mice after intraperitoneal injections of up to 160 mg/kg (about 12 times the maximum human dose based on mg/m<sup>2</sup>). Fertility studies have been performed in mice orally dosed up to 500 mg/kg (about 37 times the maximum human dose based on mg/m<sup>2</sup>) revealed no evidence of impaired fertility.

While no effects on fertility were observed in female rats dosed intraperitoneally at doses up to 1000 mg/kg (about 300 times the maximum human dose based on mg/m<sup>2</sup>), studies in male rats resulted in effects on testes and sperm production at oral doses of 100 mg/kg and above (about 30 times the maximum human dose based on mg/m<sup>2</sup>).

## 14 CLINICAL STUDIES

A single, randomized, double-blind, vehicle-controlled clinical trial was conducted to evaluate the efficacy of NUVESSA. Subjects had a clinical diagnosis of bacterial vaginosis defined by the presence of a homogenous vaginal discharge that (a) had a pH  $\geq 4.7$ , (b) emitted a “fishy” amine odor when mixed with a 10% KOH solution (“whiff” test), and (c) contained clue cells  $\geq 20\%$  of the total vaginal epithelial cells. In addition, to be eligible for analysis subjects must have had a Gram stain Nugent score  $\geq 4$  and have been negative for *N. gonorrhoeae* and *C. trachomatis*. Non-pregnant females at least 18 years of age were randomized 1:1 to either NUVESSA or Vehicle Gel and instructed to administer study drug once at bedtime. Two hundred ninety-two (292) NUVESSA subjects and 285 Vehicle Gel subjects were eligible for the analysis.

Clinical cure was defined as (a) return of normal physiologic discharge, (b) negative KOH “whiff” test, and (c) clue cell  $< 20\%$  of the total vaginal epithelial cells at the Test of Cure visit (between 21 to 30 days post-treatment). Bacteriological Cure was defined as a Nugent score of  $< 4$  and Therapeutic cure was defined as clinical cure and bacteriological cure. NUVESSA demonstrated statistically significantly higher cure rates over Vehicle Gel as measured by clinical cure, bacteriological cure and therapeutic cure (Table 1).

**Table 1. The Efficacy of NUVESSA for the Treatment of Bacterial Vaginosis in a Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Study**

Outcome	NUVESSA N = 292 n (%)	Vehicle Gel N = 285 n (%)	Treatment Difference (%) [95% Confidence Interval]
<b>Test of Cure (Day 21 to 30)</b>			

<b>Outcome</b>	<b>NUVESSA N = 292 n (%)</b>	<b>Vehicle Gel N = 285 n (%)</b>	<b>Treatment Difference (%) [95% Confidence Interval]</b>
Clinical Cure	108 (37.0)	76 (26.7)	10.3 (2.8, 17.9)
Bacteriological Cure	57 (19.5)	22 (7.7)	11.8 (6.3, 17.3)
Therapeutic Cure	49 (16.8)	18 (6.3)	10.5 (5.3, 15.6)

Clinical Cure and Bacteriological Cure were also assessed at Day 7. Clinical Cure at Day 7 was achieved by a statistically significantly greater proportion of subjects in the NUVESSA group compared to subjects in the Vehicle Gel group (41.1% vs. 20.0%). Bacteriological Cure at Day 7 was achieved by a statistically significantly greater proportion of subjects in the NUVESSA group compared to subjects in the Vehicle Gel group (33.9% vs. 6.3%).

## **16 HOW SUPPLIED/STORAGE AND HANDLING**

NUVESSA is available in cartons containing one single-dose, prefilled disposable applicator delivering 5 g of vaginal gel containing approximately 65 mg of metronidazole: 5 g disposable applicator (NDC 0642-7466-05).

Store at 20-25°C (68-77°F); excursions permitted to 15°-30°C (59°-86°F) [*see USP Controlled Room temperature*]. Do not freeze. Do not refrigerate.

## **17 PATIENT COUNSELING INFORMATION**

Advise the patient to read the FDA-approved patient labeling ([Patient Information](#) and [Instructions for Use](#)).

### **17.1 Interaction with Alcohol**

Instruct the patient not to consume alcoholic beverages and preparations containing ethanol or propylene glycol during and for at least 24 hours after treatment with NUVESSA [*see Contraindications (4.3) and Drug Interactions (7.2)*].

### **17.2 Drug Interactions**

Instruct the patient not to use NUVESSA if disulfiram had been used within the last two weeks [*see Contraindications (4.2)*], and to inform their healthcare provider if they are taking oral anticoagulants, or lithium [*see Drug Interactions (7.3, 7.4)*].

### **17.3 Vaginal Intercourse and Use with Vaginal Products**

Instruct the patient not to engage in vaginal intercourse, or use other vaginal products (such as tampons or douches) following the single administration of NUVESSA.

### **17.4 Lactation**

Advise women not to breastfeed during treatment with NUVESSA and to discontinue breastfeeding for 2 days after treatment with NUVESSA. Also advise a nursing mother that she may choose to pump and discard her milk during treatment with NUVESSA and for 2 days after the therapy with NUVESSA and, feed her infant stored human milk or formula [*see Use in Specific Populations (8.2)*].

### **17.5 Vaginal Irritation**

Inform the patient to discontinue use and consult a healthcare provider if vaginal irritation occurs with use of NUVESSA.

### **17.6 Administration of Drug**

Instruct the patient that NUVESSA is supplied as a single dose in a pre-filled applicator. See Instructions for Use for complete instructions on how to use the product and the vaginal applicator.

Distributed By:

Exeltis USA, Inc.

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<b>PATIENT INFORMATION</b> <b>NUVESSA™ (metronidazole vaginal gel 1.3%)</b>
For vaginal use only. Do not use in the eyes, mouth or on your skin.
<b>What is NUVESSA?</b> NUVESSA is a prescription medicine used to treat bacterial vaginal infections in females 12 years and older. It is not known if Nuvessa is safe and effective in female children younger than 12 years of age.
<b>Who should not use NUVESSA?</b> <b>Do not use NUVESSA if you:</b> <ul style="list-style-type: none"> <li>• are allergic to metronidazole, parabens, nitroimidazole derivatives, or any of the ingredients in NUVESSA. See the end of this leaflet for a complete list of ingredients in NUVESSA.</li> <li>• take or have taken a medicine called Antabuse (disulfiram) in the last 2 weeks.</li> <li>• drink alcohol. Do not drink alcohol while you use NUVESSA and for at least 24 hours after you stop using it.</li> </ul>
<b>Before you use NUVESSA, tell your healthcare provider about all your medical conditions, including if you:</b> <ul style="list-style-type: none"> <li>• have or had central nervous system diseases.</li> <li>• are pregnant or plan to become pregnant. It is not known if NUVESSA will harm your unborn baby. Tell your healthcare provider if you become pregnant during treatment with NUVESSA.</li> <li>• are breastfeeding or plan to breastfeed. NUVESSA can pass into your breast milk. You should not breastfeed while using NUVESSA and for 2 days after. Talk with your healthcare provider about the best way to feed your baby while using NUVESSA.</li> </ul> <b>Tell your healthcare provider all about the medicines you take,</b> including prescription and over-the-counter medicines, vitamins and herbal supplements.
<b>How should I use NUVESSA?</b> <ul style="list-style-type: none"> <li>• See the “Instructions for Use” at the end of this Patient Information leaflet for detailed instructions about how to use NUVESSA.</li> <li>• Use NUVESSA exactly as your healthcare provider tells you to.</li> <li>• NUVESSA is used 1 time at bedtime.</li> <li>• If you get NUVESSA in your eyes, rinse your eyes with cool tap water and call your healthcare provider.</li> </ul>
<b>What should I avoid while using NUVESSA?</b> <b>Do not</b> have vaginal intercourse or use other vaginal products such as tampons or douches.
<b>What are the possible side effects of NUVESSA?</b> <b>The most common side effects of NUVESSA</b> include yeast infections, headache, vaginal itching, nausea, diarrhea, pain with menstrual cycle, and vaginal pain or discomfort. These are not all the side effects of NUVESSA. Tell your healthcare provider if you have any side effect that bothers you or that does not go away. For more information, ask your healthcare provider or pharmacist. Call your healthcare provider for medical advice about side effects. You may report side effects to the FDA at 1-800-FDA-1088.
<b>General information about the safe and effective use of NUVESSA.</b> Medicines are sometimes prescribed for purposes other than those listed in the Patient Information leaflet. Do not use NUVESSA for a condition for which it was not prescribed. Do not give NUVESSA to other people, even if they have the same symptoms you have. It may harm them. This Patient Information leaflet summarizes the most important information about NUVESSA. If you would like more information, talk with your doctor. You can also ask your pharmacists or doctor for information about NUVESSA that is written for health professionals. For more information call: Exeltis USA, Inc., at 1-877-324-9349.
<b>What are the ingredients in NUVESSA?</b> <b>Active ingredient:</b> metronidazole <b>Inactive ingredients:</b> polyethylene glycol 400, propylene glycol, benzyl alcohol, methylparaben, propylparaben, purified water, and polycarbophil

**INSTRUCTIONS FOR USE**  
**NUVESSA™**  
(metronidazole vaginal gel 1.3%)

For vaginal use only.

You will need the following supplies (See Figure A)

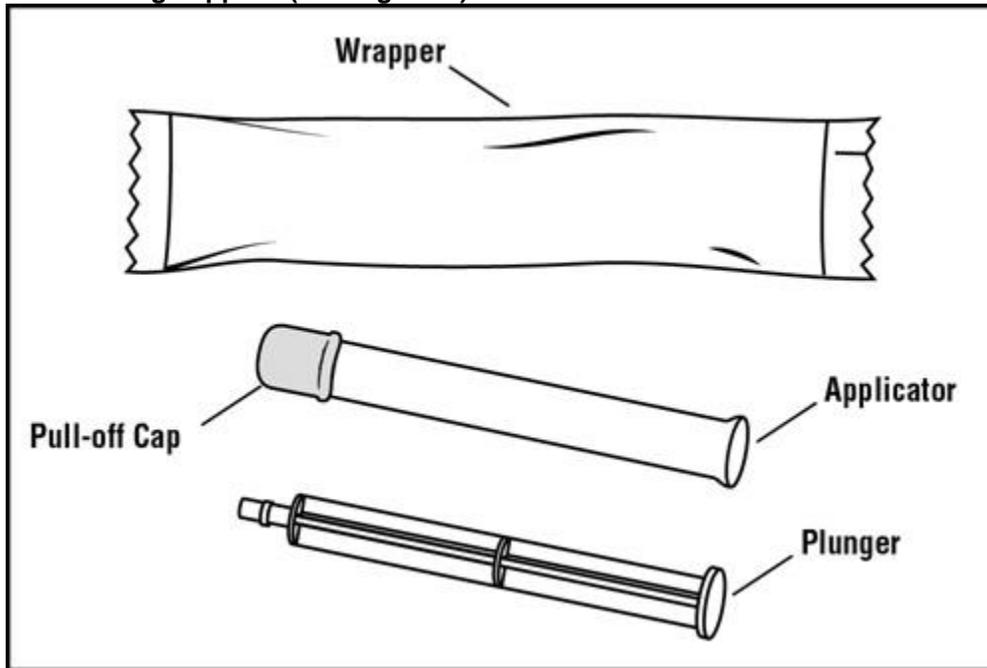


Figure A

**Step 1: Remove the pre-filled applicator and plunger from the foil package (See Figure B)**

- Tear open the foil packet just before using.
- Remove the pre-filled applicator and plunger from the foil packaging.

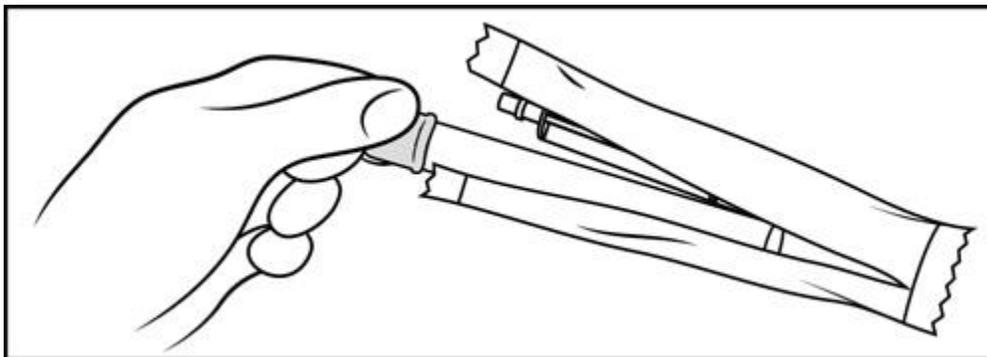


Figure B

**Step 2: Insert the plunger into the open end of the pre-filled applicator (See Figure C)**

- With the pink cap still on, push the tip of the plunger into the open end of the pre-filled applicator.

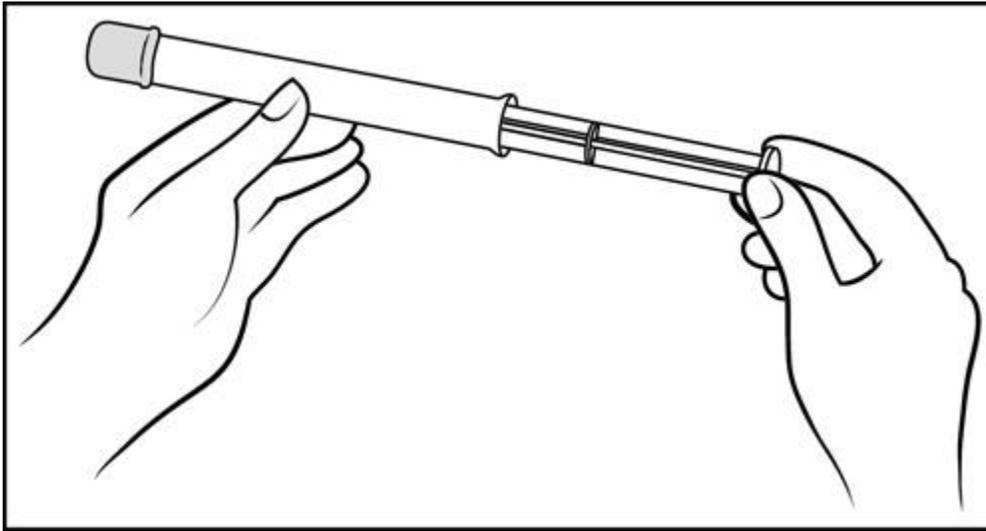


Figure C

**Step 3: Remove the pink cap (See Figure D)**

- Pull the pink cap straight off the top of the pre-filled applicator.

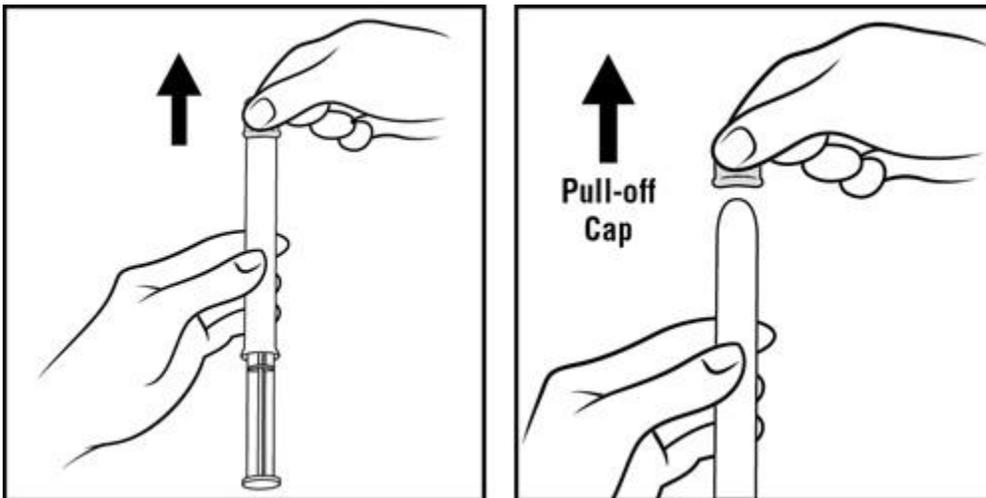


Figure D

**Step 4: Prepare to insert the pre-filled applicator (See Figure E)**

- The pre-filled applicator may be inserted while lying on your back with your knees bent or in any comfortable position.

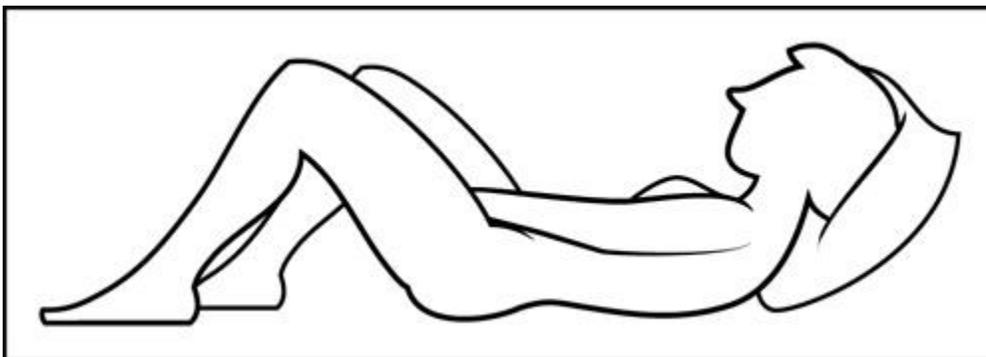


Figure E

**Step 5: Insert the pre-filled applicator (See [Figure F](#))**

- Hold the pre-filled applicator by the barrel and gently insert the rounded tip into your vagina as far as it will comfortably go, then pull back slightly.

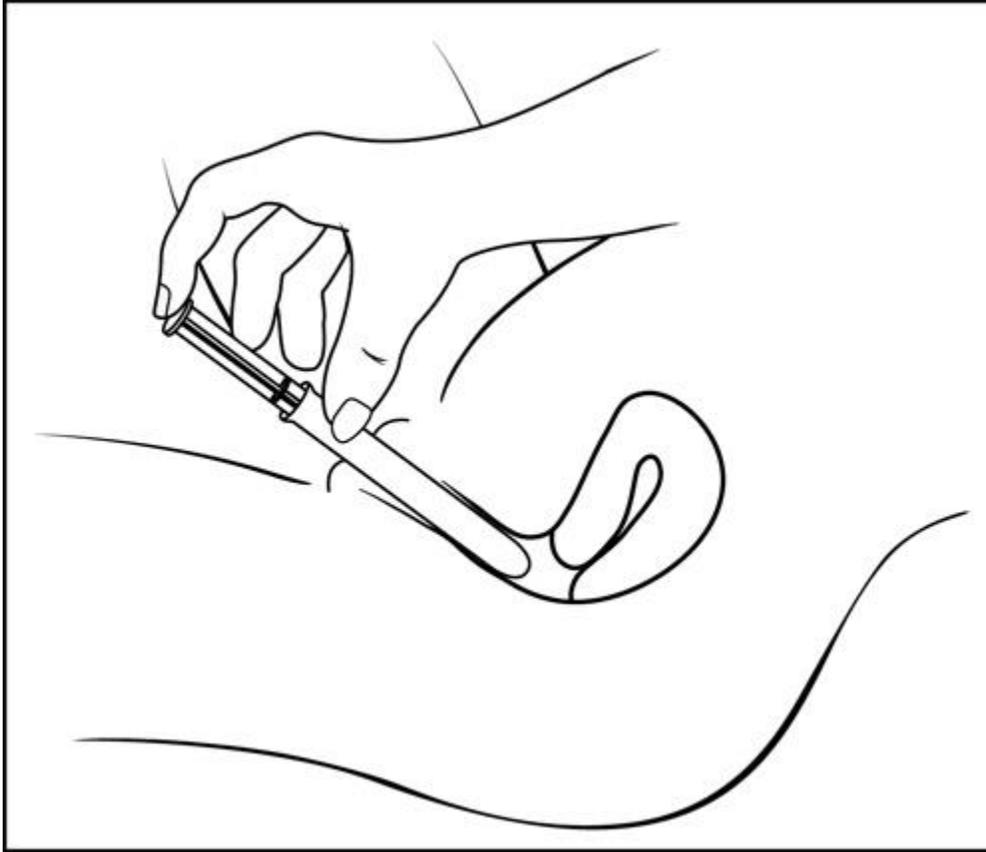


Figure F

**Step 6: Push the plunger (See [Figure G](#))**

- While holding the barrel in place, slowly press the plunger until it stops to release the gel into your vagina.

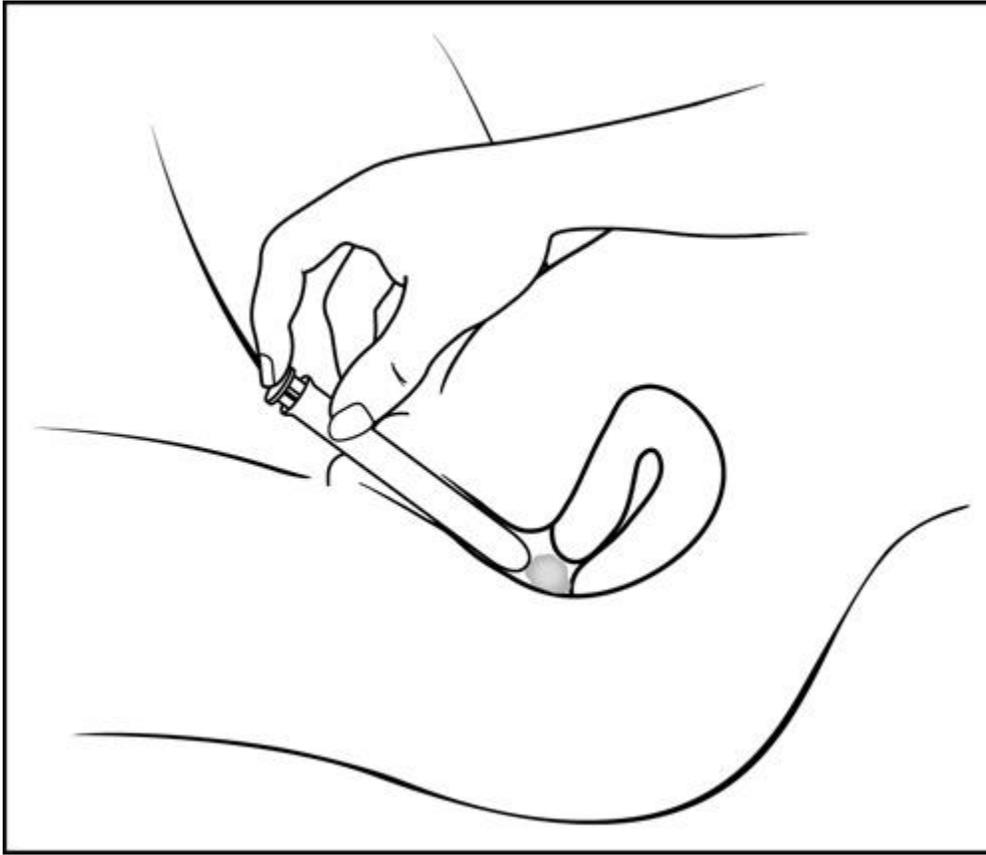


Figure G

**Step 7: Remove the pre-filled applicator from your vagina and throw it away in your household trash.**

**How should I store NUVESSA?**

- Store NUVESSA at room temperature between 68°F to 77°F.
- Do not freeze.
- Do not refrigerate.

**Keep NUVESSA and all medicines out of the reach of children.**

This Patient Information and Instructions for Use have been approved by the US Food and Drug Administration.

**Rx only**

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