



NovaFilm™

A Concentrated Mucoadhesive Gel Base.
The First of its Kind.



PATENT PENDING

Expand Your Practice Into New Markets

Dentistry | Oncology | Veterinary | Pediatrics | HRT | Gastroenterology | ENT

NovaFilm™

NovaFilm™ is an innovative concentrated gel base with superior mucoadhesive properties that is compatible with a wide range of active pharmaceutical ingredients and suitable for both human and veterinary patients. It contains all-natural polymers to form a film on mucosal surfaces offering a novel way to deliver medication. NovaFilm™ was shown to be an effective mucosal drug delivery vehicle through a successful clinical outcome.

Benefits of NovaFilm™:

- Proven **superior mucoadhesive properties** facilitating improved bioavailability and reduced dosing frequency
- **Clinical effectiveness** shown in a physician-directed case study
- Concentrated formulation providing increased **versatility** to easily compound multiple dosage forms
- **Clinically tested** and pharmacist recommended



Why use a mucoadhesive delivery system?

A mucoadhesive delivery system can facilitate enhanced drug delivery by creating a strong bond with the body's mucosa, which provides an optimal opportunity for the compounded medication. Mucosa can be found in various parts of the body such as the oral and nasal cavities as well as vaginal and rectal, providing pharmacists with multiple ways to treat a variety of diseases all while improving patient experience.



WHAT SETS NOVAFILM™ GEL BASE APART?

Intended Use	Highly versatile mucosal delivery vehicle which exhibits superior mucoadhesive property and high carrying capacity
Scientific Data	<ul style="list-style-type: none"> - All-natural polymers - Suitable for diabetics due to the low glycemic index of its sweetener - Does not promote the formation of dental cavities - Increased contact time between API and targeted mucosal surfaces - Easily adjust viscosity by diluting with water - Compatible with other MEDISCA bases
Description	Off-white to pale amber highly viscous gel with characteristic natural odor and neutral taste
Studies	<ul style="list-style-type: none"> - <i>In Vitro</i> mucoadhesion and rheology studies - <i>In Vivo</i> clinical case study for urogenital atrophy - <i>In Vivo</i> vaginal irritation study
API Compatibility	For lipophilic and hydrophilic drugs such as analgesics and hormones
Tolerance to API Base and Salt Forms	Excellent
Heat Sensitivity	Stable at Room Temperature and 45°C (113°F)
Preservative Effectiveness	Passes USP challenge test <51>
Sterilization	Autoclave compatible

Formulated to Maximize Efficiency

ORAL FORMULATIONS



FORMULA NUMBER	FORMULA TITLE
F 008 269	Amitriptyline Hydrochloride 2%, Gabapentin 6%, Lidocaine Hydrochloride 0.5% Mucoadhesive Oral Rinse
F 008 271	Green Tea Extract 10 mg/mL, Resveratrol 5 mg/mL Mucoadhesive Oral Liquid
F 008 262	Nystatin 100,000 IU/mL Mucoadhesive Oral Liquid
F 008 448	Lidocaine Hydrochloride 5% Mucoadhesive Oral Gel
F 008 649	Clotrimazole 1% Mucoadhesive Oral Rinse

SUGGESTED PRODUCTS

- 0173: ACYCLOVIR, USP
- 2755: CHLORHEXIDINE GLUCONATE SOLUTION, USP (20%)
- 1234: DEXPANTHENOL, USP
- 0282: DIPHENHYDRAMINE HYDROCHLORIDE, USP
- 0946: PURIFIED WATER, USP
- 0053: TETRACYCLINE HYDROCHLORIDE, USP
- 0011: TRIAMCINOLONE ACETONIDE, USP (Micronized)
- ADAPTER CAPS
- MD® DISPENSERS
- PLASTIC BOTTLES
- PRECISEDOSSE DISPENSERS™

NASAL FORMULATIONS



FORMULA NUMBER	FORMULA TITLE
F 008 266	Mupirocin 1% Mucoadhesive Nasal Liquid
F 008 267	Ketamine Hydrochloride 2.875% Mucoadhesive Nasal Liquid

SUGGESTED PRODUCTS

- 0405: DEXAMETHASONE, USP (Micronized)
- 0632: GENTAMICIN SULFATE, USP
- 0081: LIDOCAINE, USP
- 0182: PILOCARPINE HYDROCHLORIDE, USP
- NASAL ADAPTERS
- NASAL SPRAY DISPENSERS

RECTAL FORMULATIONS



FORMULA NUMBER	FORMULA TITLE
F 008 265	Diltiazem Hydrochloride 2%, Lidocaine Hydrochloride 5% Mucoadhesive Rectal Ointment
F 008 455	Hydrocortisone 90 mg Mucoadhesive Rectal Suppositories

SUGGESTED PRODUCTS

- 0012: 5-AMINOSALICYLIC ACID, USP (Mesalamine)
- 2461: GABAPENTIN, USP/EP
- 0318: SUCRALFATE, USP/EP
- 2209: VITAMIN E ACETATE (DL-), USP (Liquid)
- ENEMA BOTTLES
- RECTAL/VAGINAL APPLICATORS
- SUPPOSITORY MOLDS

VAGINAL FORMULATIONS



FORMULA NUMBER	FORMULA TITLE
F 008 264	Estriol 0.05% Mucoadhesive Vaginal Gel SEE OUR STUDY
F 008 268	Amitriptyline Hydrochloride 2%, Baclofen 2%, Gabapentin 3% Mucoadhesive Vaginal Cream
F 008 462	Sodium Hyaluronate 5 mg Mucoadhesive Vaginal Suppositories

SUGGESTED PRODUCTS

- 0869: ESTRADIOL, USP (Hemihydrate) (Micronized)
- 0733: DHEA (Micronized) (Prasterone)
- 0043: PROGESTERONE, USP (Micronized)
- 0163: TESTOSTERONE, USP (Micronized)
- OINTMENT TUBES
- SAMIX JARS
- VAGINAL APPLICATORS

Added versatility for your practice

Enhancing the mucoadhesive properties of existing MEDISCA bases:

NovaFilm™ Gel Base (3187)

Available Sizes: 100g, 500g, 2.5Kg, 5Kg

- A. HRT Cream Base (0701)
- B. OleaBase™ Plasticized (2575)
- C. VersaPro™ Gel Base (2636)
- D. VersaPro™ Cream Base (2529)
- E. Ointment Base (Emulsifying) (0937)
- F. SPG Supposi-Base™ (2532)



“NovaFilm™ is an easy-to-use mucoadhesive base that allows compounders to better service our patients using a variety of preparations. NovaFilm™ can be used as-is for compounded gels with no need to thicken the base or it can be easily diluted with water to compound anything from a magic mouthwash to nasal sprays. I've also enjoyed using it in combination with VersaPro™ Cream Base for vaginal preparations. The versatility it allows is unmatched in the industry!”

– Miranda Tawfik R.Ph., ABAHP (Compounding Pharmacist)

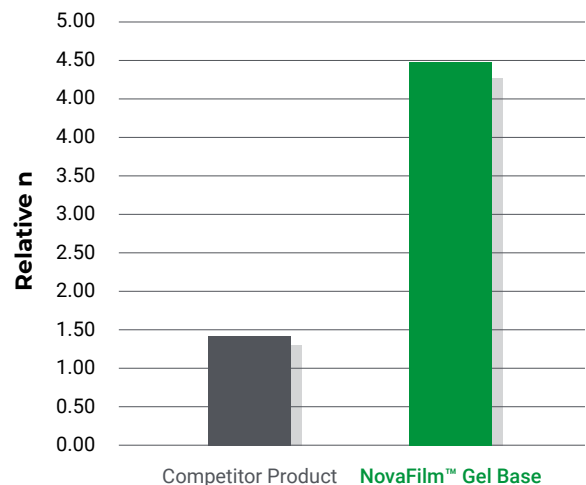
Developing solutions for compounders

NovaFilm™ has been tested *in Vitro* in comparison to a competitor product examining mucoadhesion as well as *in Vivo* through a clinical case study with subject matter expert, Dr. Kristy Prouse (OBGYN). Results show that NovaFilm™ has:

- **3X more mucin interaction** to help prolong contact time of compounded preparation with the mucosa to facilitate enhanced drug delivery (see figure 1)
- **4X more resistance to stress** so it can maintain its shape with the mucosa
- **2X the adhesive bond to mucosal surfaces** therefore able to more easily form a bond even with brief contact
- **Successful patient outcome** for vaginal health index in a menopausal woman suffering from urogenital atrophy with an Estriol 0.05% mucoadhesive gel after 12 weeks

View MEDISCA's full technical report at www.medisca.com/novafilm

Figure 1 - Mucin Interaction



NovaFilm™

FOR MORE INFORMATION

USA 1-800-932-1039 | CAN 1-800-665-6334 | WWW.MEDISCA.COM

 MEDISCA®

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