



Lidocaine Transdermal Gel for Rapid Anesthesia and Site-Specific Relief of Pain

LiDORx®, formulated and manufactured by Gensco in a FDA licensed facility, contains 3% lidocaine (30mg of lidocaine in each gram of gel) in a patented transdermal delivery system. The transdermal patented delivery system enhances the absorption of the lidocaine across the skin barrier yielding a much greater effect (topical anesthesia) than other prescription formulations including those containing 5% Lidocaine (Lidocaine Patch and Lido 5% Ointment) or Lidocaine/Prilocaine Cream, as clinically proven by the LiDORx® Activation Study.¹

All Gensco products, including LiDORx®, are distributed to pharmacy chains such as Walgreens®, CVS®, Walmart®, RiteAid®, Kroger® and Publix® through the major wholesalers such as McKesson, Cardinal and AmerisourceBergen. LiDORx® is contracted with DAPA (Contract #SP0200-15-H-0003), Federal Supply Schedule (FSS), making it accessible to all military personnel and is also available to all MEDICARE patients (Medicare Contract #P1466).

Indications

- Anesthetic for relief of pain at site of injury
- Relief of musculoskeletal pain and soreness
- Pain from neuropathy
- Local medical procedures; injections and vaccines
- Anesthetic for relief of pruritis, pruritic eczema, abrasions, minor burns, insect bites, pain, soreness and discomfort due to pruritis ani, pruritis vulvae, hemorrhoids, anal fissures and similar conditions of the skin and mucous membranes

LiDORx® is an effective topical anesthetic best used for minor to moderate pain relief.

LiDORx® can be applied as needed over 24 hours unlike the patch system that must be removed after 12 hours.



Covered by most insurance planet

plans!
PHONED PROMISES DELIVER WILL CALL
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LiDDRx 30ml
Apply 1-4 pumps
RID over 24 hours Maximum 16 rolling and 2 11
Maximum 16 pumps in 24 hours PRN Pain
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LiDORx® Product Information

Product Overview

LiDORx® contains lidocaine formulated into a patented transdermal gel designed to enhance the penetration of lidocaine through the skin into the affected tissues. Since LiDORx® is not a patch, it can be applied in varying amounts, within package insert guidelines, to even difficult areas including joints, back, neck, legs, and arms regardless of bony protuberances or motion. In addition, peripheral neuropathies have been shown to benefit from topical lidocaine application.²

Indications

LiDORx® is indicated as an anesthetic for:

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LiDORx® - Most Effective Topically Applied Transdermal Lidocaine for Local Anesthesia and Pain Relief

LiDORx® can be applied to multiple anatomic locations, large and small, with a dose appropriate for each site unlike the patch systems that require the patient to attempt to cut patches for each area, leading to excessive wastage. There is evidence from an open-label, nonrandomized trial that lidocaine patches were safe and effective for subacute and chronic low back pain when used daily for 6 weeks.³ Lidocaine patches are, however, limited in use for areas where there's motion and/or several anatomically challenging sites such as knees, elbows, fingers, feet, neck, shoulders, and forearms.

Patient Friendly for 24-Hour Use

LiDORx® can be applied to any external skin site including knees, elbows, shoulders, and fingers; sites where a patch may be unsuitable. The patient can apply a dose suitable for the area being treated, up to 4 grams per day. In addition, LiDORx® can be applied throughout the day and night (24 hours) as opposed to Lidocaine Patch, which is only recommended to be used for 12 hours in any 24-hour period, leaving the patient untreated for the other 12 hours.

Summary of Product Research Superior Absorption

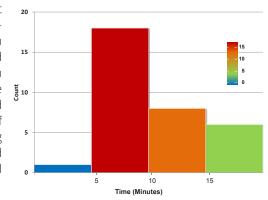
Gensco's superior transdermal delivery system, containing lidocaine at different concentrations, was tested using in vitro diffusion cells to determine absorption characteristics. The patented transdermal delivery system demonstrated an average 37.7% absorption of applied lidocaine over 6 hours in these tests using a Franz Cell method.⁴ Pharmacokinetic evaluations using animal models revealed that 74% of the total dose of lidocaine applied was detected in the plasma over 6 hours (as area under the curve).4 Therefore, applying the maximum daily dose of LiDORx® 3%, 4 grams (120 milligrams lidocaine), over a 12-hour period would result in an absorption of approximately 88.8 mg of lidocaine. Compare this to Lidoderm patches, containing 5% lidocaine (700mg lidocaine per patch), that have a documented absorption of 3% over 12 hours.⁵ Applying the maximum daily dose of Lidoderm patches, 3 patches (2,100 mg lidocaine), would only result in approximately 63 mg of lidocaine crossing the skin barrier and available for pain relief. The reason for this 40% superior absorption of LiDORx®, while using 94% less drug, is our patented delivery system which provides for faster and greater absorption than standard lidocaine containing creams, gels, and

As an illustration, standard OTC topical lidocaine formulations exhibit 1-2% absorption. EMLA cream, containing 2.5% lidocaine and 2.5% prilocaine, yields only 3.6% absorption of the lidocaine over 3 hours.⁶ Since the skin behaves as a barrier, LiDORx's superior absorption and rapid onset of anesthesia results clinically demonstrate the advantage of the Gensco patented delivery system, therefore allowing a lower concentration of Lidocaine to outperform prescription topical Lidocaine 5% products.

Rapid Onset of Anesthesia

Lidocaine is a well-known topical anesthetic in common use but, due to poor transdermal absorption characteristics, has only limited effects. LiDORx[®] is a 3% lidocaine in a trans-

dermal gel that has been evaluated for both absorption and onset of pain relief. The enhanced absorption of lidocaine using this patented transdermal



base was demonstrated in laboratory (in vitro) testing using synthetic skin. The absorption across this membrane was measured at 37% compared to 2-3% typically seen with standard topical creams and ointments.⁴ In an additional clinical study, the onset of anesthesia using LiDORx® was measured in normal healthy adults.¹ Results indicate that over 55% of the subjects experienced anesthesia within 6 to 10 minutes compared to other commercially available lidocaine and combination products that can take over 60 minutes to achieve sufficient anesthesia.

The enhanced absorption characteristics of LiDORx® produces a fast onset of anesthesia, more rapid than typically experienced with commonly available topical prescription formulations, meaning that simply placing a drug on the skin does not enable its absorption. In one recent study, application of LiDORx® to the arms of healthy volunteers resulted in topical anesthesia in as little as 3-5 minutes with a median time of 10 minutes.¹ As a comparison, EMLA is recommended to be applied one hour prior to any procedure to assure sufficient anesthesia.

LiDORx® Regulatory Overview and Prescription Status

The Gensco FDA Facility Establishment Identifier (FEI) number is 3006374829 and NDC number is 35781. Lidocaine HCl is designated by the USFDA as Generally Recognized As Safe and Effective (GRASE). This designation is created when a drug is shown through scientific evidence to be safe and effective for its intended use. Lidocaine HCl has been shown to be effective for use as an external analgesic and anesthetic through clinical studies which have been published. These studies include those conducted by the FDA. In order to achieve GRASE, the clinical investigations must be adequate and well-controlled. Those clinical investigations must be published in scientific literature available to qualified experts. Finally, experts generally agree, based on these published studies, that the drug is safe and effective for its intended use.

Due to the rapid and enhanced absorption characteristics of LiDORx®, the use of this product must be prescribed under the supervision of a physician to prevent over usage or inappropriate usage by the patient that could result in adverse drug reactions including systemic lidocaine toxicity.

Serious Interactions

Antiarrhythmic Drugs: LiDORx® 3% should be used with caution in patients receiving Class I antiarrhythmic drugs (such as tocainide and mexiletine) since the toxic effects are additive and potentially synergistic.

Bupivacaine liposome: Lidocaine Hydrochloride USP increases toxicity of Bupivacaine by increasing the free (unencapsulated) bupiacaine.

Dofetilide: Lidocaine Hydrochloride USP increases effects of dofetilide through pharmacodynamic synergism.

Lomitapide: Lidocaine Hydrochloride USP increases levels of lomitapide by affecting hepatic/intestinal enzymes CYP3A4 metabolism.

Product Summary

Gensco Pharma's LiDORx® provides prescribers with an alternative to current treatment regimens when prescribing for patients who need controlled relief of pain. LiDORx® (Lidocaine HCl USP 3%) applied in controlled doses provides relief of pain and utilizes MDose™ Technology which dispenses an exact amount of medication (0.25 mL per pump) per application.

LiDORx® is indicated as an anesthetic for:

- · Relief of pain at site of injury
- Relief of musculoskeletal pain and soreness
- Pain from neuropathy
- · Local medical procedures; injections and vaccines
- Relief of pruritis, pruritic eczema, abrasions, minor burns, insect bites, pain, soreness and discomfort due to pruritis ani, pruritis vulvae, hemorrhoids, anal fissures and similar conditions of the skin and mucous membranes

LiDORx® has been proven to deliver 40% more Lidocaine in a 12-hour period than Lidocaine 5% patches. It also has been shown to have a 3-5 minute onset of anesthesia vs EMLA which requires application with an occlusive dressing for one hour prior to any procedure to assure sufficient anesthesia.

LiDORx® can be applied to multiple anatomic locations, large and small, with a dose appropriate for each site unlike the patch systems that require the patient to attempt to cut patches for each area, leading to excessive wastage. LiDORx® can be applied to most areas including joints, back, neck, legs, and arms as needed over 24-hours unlike the patch system that must be removed after 12 hours.

LiDORx® doesn't cause impairment and allows patients to continue their Activities of Daily Living including driving and operating equipment and should be considered as a solution for pain over opioid analgesics.

References

- 1 An Exploratory, Single-blind Study to Evaluate Both the Onset of Anesthesia of LiDORx® in Patients Aged 18–88 Years Patrick Hardigan, BS, MS, PhD, Nova Southeastern University, Director of Clinical Research
- 2 Lattanzi, S and Provinciali L.: Topical Lidocaine for Localized Neuropathic Pain. Arch Neurosci. 2016 January; 3(1)
- 3 Gimbel J, Linn R, Hale M, Nicholson B.: Lidocaine patch treatment in patients with low back pain: results of an open-label, nonrandomized pilot study, Am J Ther. 2005 Jul-Aug;12(4):311-9
- 4 Gensco Data on file
- 5 Lidoderm package insert
- 6 EMLA package insert





READ THIS INFORMATION BEFORE PRESCRIBING THIS PRODUCT

LIDORA* 3% is an Amide-type Local Anesthetic indicated for:
Relief of pain at site of injury; relief of musculoskeletal pain and soreness; pain from neuropathy; local medical procedures, injections and vaccines; relief of pruritis, pruritic eczema, abrasions, minor burns, insect bites, pain, soreness and discomfort due to pruritis ani, pruritis vulvae, hemorrhoids, anal fissures and similar conditions of the skin and mucous membranes. DOSAGE AND ADMINISTRATION

upply 1-4 pumps to the affected area three or four times daily not to exceed 16 pumps in twenty-four hours (24 Hrs) or as directed by a physician. As a topical anesthesic, apply an adequate amount for the desired procedure to the target area 10 minutes prior to initiation of procedure

DOSAGE FORMS AND STRENGTHS

LiDORx® 3% is a Topical Gel.

Each gram of LiDORx® 3% contains 3% Lidocaine HCI USP (30mg).

CONTRAINDICATIONS

fraumatized mucosa, secondary bacterial infection of the area of proposed application and known hypersensitivity to any of the components.

Lidocaine Hydrochloride USP is contraindicated in patients with a known history of hypersensitivity to local anesthetics of the amide type

WARNINGS AND PRECAUTIONS

For External Use Only. Avoid Contact with Eyes.

If irritation or sensitivity occurs or infection appears, discontinue use and institute appropriate therapy

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LIDORA* 3% should be used with caution in ill, elderly, debilitated part pariet a fellerly, debilitated part pariet and infer who may be more sensitive to the systemic effects of Lidocaine Hydrochloride USP.

Methemoglobinemia Warning: Cases of methemoglobinemia have been reported in association with local anesthetic use. Although all patients are at risk for methemoglobinernia, patients with glucose-6-phosphate dehydrogenase deficiency, congenital or idiopathic methemoglobinemia, cardiac or pulmonary compormise, infants under 6 months of age, and concurrent exposure to oxidizing agents or their metabolities are more susceptible to developing clinical manifestations of the condition. If local anesthetics must be used in these patients, close monitoring for symptoms and signs of methemoglobinemia is recommended. Signs and symptoms of methemoglobinemia may occur immediately or may be delayed some hours after exposure and are characterized by a cyanotic skin discoloration and abnormal coloration of the blood. Methemoglobine with a cardiovascular adverse effects, comparative adverse effects, comparative adverse effects, comparative adverse effects, comparative adverse effects, or comparative adverse effects and cardiovascular adverse effects, or comparative adverse effects. Or comparative adverse effects are comparative adverse effects and cardiovascular adverse effects, or comparative adverse effects and cardiovascular adverse effects. Or comparative adverse effects are comparative adversed effects and cardiovascular adverse effects. Or comparative adverse effects and cardiovascular adverse effects are comparative adversed

into adverse reactions are redness or swelling at the application site. Less common side effects, such as sluggishness, confusion, slow breathing, low blood pressure, or slow heartbeat, may occur. To report SUSPECTED ADVERSE REACTIONS, contact Gensco Pharma at 866-608-6284 or FDA at . 3000-FDA-1088 or www.fda.gov/medwatch.
DRUG INTERACTIONS
Prilocaine Punktur

DRUG INTERACTIONS

Prilocaine, Buyavaciane, Amyl nitrates/ sodium nitrate/ sodium thiosulfate, Dofetilide, Iomitapide, Beta-blockers (eg. atenolol), Cimetidine, or Class 1 antiarrhythmic drugs (ex. Mexiletine). Patients that are administered local anesthetics may be at increased risk of developing methemoglobinemia when concurrently exposed to the following oxidizing agents: Nitrates/Nit

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Is China (Phi Action Companies). The Enrol Laton, PolySora Alexa (Jacobian Hydrochloride USP from a mild acidic vehicle to stabilize the neuronal membrane by inhibiting the ionic fluxes required for initiation and conduction of impulses, thereby effecting local anesthetic action. A mild acidic vehicle lowers pH to increase protection against alkaline irritations and to provide a favorable environment for healing. 11.2 Onset and duration of anesthesia. The onset is 3-5 minutes. Clinical testing has demonstrated the average onset of anesthesia cours 5 to 10 minutes after application of 1 LidoRx.*3 M. in a study evaluating the onset and duration of anesthesia in 3 The anomalous minutes and 46 seconds. There was considerable inter-subject variation that may be due to subject age and relative skin condition. 11.3 Hemodomamics: Excessive blood levels may cause changes in cardiac output, total peripheral resistance, and mean arterial persuance in a study evaluation to mucous membranes or pounds, its rate and extent of absorption depending upon the specific site of application, duration of exposure, concentration, and total dosage. In general, the rate of absorption of local anesthetic agents following topical administration to mucous membranes or pounds, its rate and extent of absorption of local anesthetic agents following topical administration to mucous membranes or pounds. In the gastrointestinal tract, but little intact drug appears in the circulation because of biotransformation in total dosage. In general, the rate of absorption of local anesthetic agents following topical application occurs most rapidly after intratracheal administration. Udocaine Hydrochloride USP is expended from the gastrointestinal tract, but little intact drug appears in the circulation because of biotransformation in the liver. Lidocaine Hydrochloride USP is metabolized and glycinecylidide and glycin

14. Patient Counseling Information

What is LIDORx* 3% LIDORx* 3 is a topical gel containing 3% lidocaine HCI USP (30mg / gram of gel). Lidocaine Hydrochloride USP is a local anesthetic (numbing medication). It works by blocking nerve signals in your body. LIDORx* 3% (for use on the skin) is used to reduce pain or discomfort caused by

What is LIDDRX* 3% is a topical gel containing 3% lidocaine HCl USP (30mg / gram of gel). Lidocaine Hydrochloride USP is a local anesthetic (numbing medication), it works by blocking nerve signals in your body. LIDDRX* 3% (for use on the skin) is used to reduce pain or discomfort caused by skin irritations so used as sunburn, insect bites, policion in yo, polison oak, polsons oursac, and minor cuts, scratches, hemorrhoids, and burns. LIDDRX* 3% may also be used for purposes not listed in this medication guide.

How do I use LIDDRX* 3% 10 see exactly as prescribed by your doctor. Do not use in larger or smaller amounts or for longer than recommended. Follow the directions on your prescription label. LIDDRX* 3% is generally for use on the skin only, if you replit to love large skin areas, or if you apply in the variety, so you doctor or pharmacist if you have any questions. Your bodd may absorb more of this medication if you use too much, if you apply it one ver large skin areas, or if you apply it one to read skin areas, or if you apply it ones, or plants were also in the skin that is cut or irritated may also absorb more topical medication than healthy skin. Use the smallest amount of this medication needed to numb the skin or relieve pain. Do not use large amounts of LIDDRX* 3%, or cover treated skin areas with a bandage or plastic wap without medical advice, Be aware that many cosmetic procedures are performed without a medical doctor present. LIDDRX* 3% may be applied with your doctors' instructions. Do not apply this medication to swollen skin areas or deep puncture wounds. Avoid using the medicine on skin that is raw or blistered, such as a severe burn or abrasion. Store at room temperature away from moisture and heat. Keep both used and unused LIDDRX* 3% out of the reach of children or pets. The amount of Lidocaine Hydrochloride USP in the gel could be harmful to a child or pet who accidentally sucks on or swallows the gel. Seek emergency medical attention if this happens.

What happens if I miss a dose?

What happens if I miss a dose? Since LIDORx* 3% is used as needed, you may not be on a dosing schedule. If you are using the medication regularly, use the missed dose as soon as you remember. Skip the missed dose if it is almost time for your next scheduled dose. Do not use extra medicine to make up the missed dose.

What happens if I overdose? Seek emergency medical attention or call the Poison Help line at 1-800-2221. LIDORx* 3% applied to the skin is not likely to cause an overdose an overdose you apply more than the recommended dose. Overdose may also occur if you apply heat, bandages, or plastic wrap to treated skin areas. Improper use of LIDORx* 3% may result in death. Overdose symptoms may include drowsiness, confusion, nervousness, ringing in your ears, blurred vision, feeling hot or cold, numbness, muscle twitches, uneven heartbeats, seizure (convulsions), slowed breathing, or respiratory failure (breathing stops).

What should I avoid while using LIDORx* 3%? Do not allow this medication to come into contact with your eyes. If it does, rinse with water. Avoid using other topical medications on the affected area unless directed by a physician.

LIDORx* 3% dose effects: Cet emergency medical help if you have any of these signs of an allergic reactions: hives; difficulty breathing; swelling of your face, lips, tongue, or throat.

Use of local anesthetics may cause methemoglobinemia, a serious condition that must be treated promptly. Patients or caregivers should stop use and seek immediate medical attention if they or someone in their care experience the following signs or symptoms: pale, gray, or blue colored skin (cyanosis); headednes; paid heart rate; shortness of breath; lightheadedness; or fatigue.

Stop using LIDORx* 3% and call your doctor at once if you have any of these serious side effects:

- uneven heartbeats:

Inis s not a complete list of side effects and others may occur. Call your doctor for medical advice about side effects, you may report side effects to FDA it is also those of the properties of the sent of side effects of the properties of the pr

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