

Topical vs. Transdermal Lidocaine Prescription Product Comparison for Intact Skin

Product	Lidocaine Patch ¹	5% Lidocaine Ointment ²	LiDORx ³
Delivery System	Reservoir Patch	N/A	Transdermal Delivery System
Indications	Pain associated with post-herpetic neuralgia	Lidocaine ointment 5% is indicated for production of anesthesia of accessible mucous membranes of the oropharynx <i>See package insert for additional indications.</i>	Non-narcotic relief of mild to moderate musculoskeletal pain, neuropathy, and local medical procedures <i>See package insert for additional indications.</i>
Dosage and Administration	Apply up to 3 patches maximum to intact skin, only once for up to 12 hours within a 24-hour period	INEFFECTIVE for intact skin.	1-4 metered pumps QID. Maximum 16 pumps per day
Onset of Action	60 Minutes	N/A	5-10 Minutes ⁴
Absorption of Maximum Dosage Over 24-Hour Period	3.5% ¹ or 63mg ⁵	1-3% ² INEFFECTIVE for intact skin	74% or 88.8mg ⁶
Limitations on Use	Maximum of 3 patches limited to 12 hours of use per 24 hours ⁷	INEFFECTIVE	24-Hour Coverage
Problems with Anatomic Locations and Skin Reaction	Yes	N/A	No
Microbial Rate of Kill	None	None	On Staphylococcus epidermis, LiDORx showed anti-microbial activity of 98.5% at application & 99.9% at 3 minutes

References

- Lidoderm prescribing information. Available at: <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f1c40164-4626-4290-9012-c00e33420a33>
- Lidocaine Ointment prescribing information. Available at <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f130a654-ee3b-4daa-8dc6-8f514edf75a1>
- LiDORx product information. Available at: <https://genscopharma.com/wp-content/uploads/2017/03/LiDORx-PI-Stand-alone.pdf>
- 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. Available at: <https://genscopharma.com/lidorx-activation-study/>
- Lidoderm package insert: At least 95% (665 mg) of the 700 mg of lidocaine will remain in a used patch.
- Gensco data on file
- Lidoderm package insert: Apply the prescribed number of patches (maximum 3), only once for up to 12 hours within a 24 hour period.

Disclaimer

The foregoing chart does not constitute any recommendations, endorsements, advertisements, or any clinical or medical conclusions or advice, but instead merely contains certain information from the package inserts for the referenced drugs and certain information regarding pricing. No clinical or medical decisions or conclusions should be drawn from the foregoing, and it is not intended to be used as a substitute for clinical or medical judgment. Gensco hereby disclaims all warranties, express or implied, as to the accuracy of any of the materials or information contained herein, or their fitness for any particular use or purpose.