



## 1<sup>st</sup> Medx-Patch Medicated Pain Relief Patch

**1<sup>st</sup> Medx-Patch** is a unique blend of naturally occurring ingredients that have been combined with recent pharmaceutical medications to provide a powerful prescription for pain control. Pain relief is achieved as a result of the analgesic and anti-inflammatory properties of this powerful combination of chemical substances. 1<sup>st</sup> Medx-Patch can aid in the treatment of inflammation, muscle pain, muscle soreness, joint pain, stiffness, backache, strains, nerves, and pain associated with arthritis.

### Active Ingredients:

1<sup>st</sup> Medx-Patch consists of the following active ingredients: Methyl Salicylate, Menthol, Capsaicin and Lidocaine. In addition to the natural and pharmaceutical ingredients, 1<sup>st</sup> Medx-Patch combines a special blend of skin penetrates which promotes rapid absorption of the active ingredients through the skin, allowing for deeper penetration into the muscles, nerves and joints.

<b>Methyl Salicylate</b>	<b>20%</b>	<b>Analgesic / Counterirritant</b>
<b>Menthol</b>	<b>5%</b>	<b>Analgesic / Counterirritant</b>
<b>Capsaicin</b>	<b>0.035%</b>	<b>External Analgesic</b>
<b>Lidocaine</b>	<b>4.0%</b>	<b>Topical Anesthetic</b>

**Methyl Salicylate**, also referred to as wintergreen oil, holds properties similar to aspirin. It is useful for reducing inflammation and is found to penetrate through tissue.

**Menthol** works by targeting the k-opioid receptor on the TRPM8 neuron (normally activated at temperatures between (8° - 28°C). Menthol causes the neuron to fire at temperatures above normal activation which triggers the characteristic cooling sensation. Due to Menthol's specific targeting of the k-opioid receptor, it is endowed with analgesic properties.

**Capsaicin** is a naturally occurring compound found in chili pepper (gives 1<sup>st</sup> Medx-Patch the "heat"). Capsaicin has been found to be effective in reducing inflammation and pain. When Capsaicin enters the body it binds with protein TRPV1, activating the proton and opens the calcium ion channel, giving the sensation of pain and heat. This results in the nerves becoming overwhelmed and unable to report pain for an extended period of time.

**Lidocaine:** is a common local anesthetic drug. Lidocaine is used topically to relieve itching, burning and pain from skin inflammations, Lidocaine can be used as a local anesthetic and for minor surgery. Lidocaine is suitable for infiltration, block and surface anesthesia.

### 1<sup>st</sup> Medx-Patch is used to treat:

- Muscle Pain
- Muscle Soreness
- Joint Pain
- Aids in the Treatment of Inflammation
- Stiffness.
- Backache
- Strains
- Nerve Pain
- Pain associated with Arthritis

### PRODUCT BENEFITS

**Better absorption and penetration to afflicted area.**  
**Improved smell, less odor than other Patches.**

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