

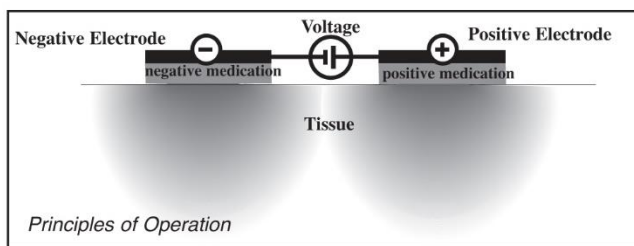


IontoPatch contains an innovative self-contained battery that produces an electric current to carry drug molecules non-invasively across the skin and to underlying tissue. There is no need for an external power source. Drug delivery is shut off automatically when the prescribed dosage has been administered. The IontoPatch is single use and disposable. Since there are no external batteries or wires, patients may return to their daily activities wearing the patch and receiving time-released iontophoresis.

IontoPatch does not contain any drug or active ingredient on the patch. Any molecules to be delivered are applied to IontoPatch at the time the patch is applied to the skin. If saline is packaged with IontoPatch – it is supplied by the manufacturer as a convenience to the patient and health care provider. The saline contains no active molecules – its purpose is to activate the patch at administration.

#### Principle of Operation:

Both the negative and positive chambers are contained in the IontoPatch. In use, the IontoPatch can simultaneously deliver both negatively and positively charged compounds by placing each compound in the relevant chamber. A cross section of a representative IontoPatch is shown below.



The prepared medication is applied to the chamber as the similarly charged molecule. The provided saline is applied to the opposite chamber of the medication.

Current flow is induced when the patch (with moistened chambers) is applied to the body. Electrode coatings are gradually consumed during use, and current flow is suspended when the coatings are depleted. Precise, known amounts of coatings are deposited on the electrode surfaces during manufacture.

Thank you.