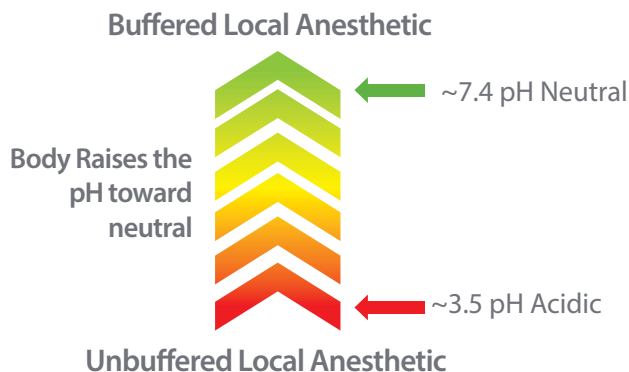


The Onset[®] Buffering System

allows you to raise the pH outside the body closer to physiological, so you can make your local anesthetic of choice better and more predictable. It's simple to use at chair side, just prior to injection and easy to adopt in your practice.

How Does Buffering Work?

- Standard dental local anesthetics have a low pH of about 3.5* (about the same as lemon juice) and contain only 1 in 25,000 de-ionized molecules or "active" form of the anesthetic.
- After injection, the body must raise the pH of the anesthetic towards physiologic (~7.4) before the patient can achieve pulpal anesthesia. Standard dental cartridges take time and keep you, your staff and patients waiting while the body works to raise the pH towards physiologic. Onset instantly buffers the local anesthetic outside the body just prior to injection, taking waiting time and the patient's physiology out of the buffering process.



- As your local anesthetic approaches physiologic pH (7.4*), there's a massive 6,000-fold improvement in the amount of available de-ionized or "active" form of the anesthetic. The ratio of "active" anesthetic is now 1 in 4, as opposed to 1 in 25,000, which makes your Lidocaine, Articaine, Prilocaine or Mepivacaine choice better!
- Using Onset, your Lidocaine, Articaine, Prilocaine or Mepivacaine injection can have the pH of normal saline, instead of lemon juice!

*Calculated values based on Henderson-Hasselbaich equation



Onset[®] Buffering System

✓ Articaine ✓ Lidocaine ✓ Mepivacaine ✓ Prilocaine

What Can You Expect When Buffering?

The Onset Buffering System allows you to buffer 4 of the 5 major local anesthetics used in dentistry
Articaine, Lidocaine, Mepivacaine and Prilocaine.

Onset Sodium Bicarbonate Cartridges have a 3-year shelf life from date of manufacture. Once removed from the pressurized 4-pack tray and placed in the Onset Mixing Pen, the Sodium Bicarbonate Cartridge should be used within 7 days for best results.

What Do You Need to Get Started?

1 Onset Mixing Pen

The Onset Mixing Pen is a high-precision dispensing device used to mix two solutions together. The Mixing Pen enables the precise transfer of fluid from a standard 3 mL size cartridge into a second container, such as a 1.8 mL cartridge, allowing the two solutions to be mixed.



2 Onset Cartridge Connector

Used for the transfer of sterile solutions from one sealed container into a second sealed container.



3 Onset Sodium Bicarbonate Inj. 8.4% USP Neutralizing Additive Solution

Raises the pH of local anesthetics, resulting in over 6,000 times more of the active form of the anesthetic at the time of injection.



BUY & TRY
120 DAYS

Place Your Introductory Order with a Friendly Benco Rep, or Call **1.800.GO.BENCO 1.800.462.3626**