ULTRA X

Ultrasonic Activator

Eighteeth

Ultra X

Cordless Ultrasonic Activator

𝒳 Gold Super Powerful

𝒳 Blue Flexible

𝒳 Silver Soft & Flexible

Ultra 𝒳

Cordless Ultrasonic Activator

Available Tips

Size	Length(mm)
#20 2%	18 & 21
#25 2%	18 & 21

Autoclavable Tips

Smooth Surface Finish

Flexible Tips

*Only X Blue & Silver are Flexible Tips

Multiple Tip Options

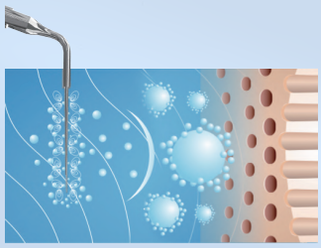
Ultra X | Key Features

- Ultrasonic Activation Device
- 45 kHz High Frequency
- Application Based Multiple Tips
- 1500 mAh Powerful Battery
- Two Power Modes with LED Indicator
- Contra-angle Design
- Light Weight & Ergonomic
- Cordless Irrigation Device

Ultra X | Battery

- 1500 mAh Lithium Battery
- Battery Level Indicator
- 4.5 Hrs of Continuous Operation
- Option of Direct Plug & Play

In Action



Cavitation Effect

It is the process of formation of millions of gas bubbles in the irrigation solution. These gas bubbles grow in size, oscillate in different directions and explode into the liquid,producing powerful cleaning action

Acoustic Streaming

It is a unidirectional flow of liquid produced by ultrasonic waves. The movement of the tip generates a special effect called acoustic turbulence, which accelerates the flow of liquid materials inside the root canal

Indication

Smear Layer Removal

Effective in the removal of the smear layer and unplugging of dentinal tubules

Dentin Chips Removal

Ultrasonic agitation forms suspension of residual dentinal chips and tissue remnants with irrigant and facilitates their easy removal

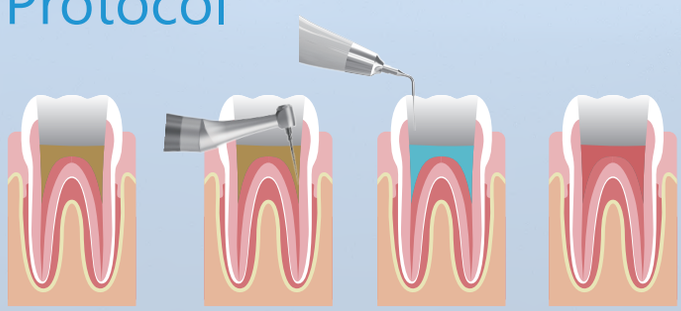
Biofilm Disruption

Ultrasonic cavitation disrupts the biofilm and helps to reduce bacteria load in the canal

Cleaning of Complex Anatomy

Ultrasonic activation helps irrigants to flush into undetected or un-instrumented canal anatomy like isthmus, fins, lateral canals,apical ramification etc. Also helps to remove vapour lock

Protocol



- Prepare the root canal up to required size with the help of shaping and finishing instruments
- Choose the desired disinfectant and flushing agents for cleaning, debridement and disinfection of canals
- Fill the chosen irriation solution into the canal, never run Ultra X without irrigating solution
- Select the Ultra X tip of desired size and length which passively fits into canal, always keep 2 - 3mm short of apex
- Activate solution using short vertical up & down strokes for 30 seconds. Be careful to not breach apical 2mm
- Use the device gently and never apply pressure or wedge the tip inside the canal. If any points of resistance, then retrieve the ultrasonic tip
- Replenish the irrigating solution, use suction to remove the loose debris. Repeat the cycle 4 to 5 times
- Completely dry the canal and fill it with choice of obturation material
- It is always recommended to isolate the tooth using rubber dam and use personal protective barriers like head gear, mask, eyeglasses etc