



# EQ-S

The most effective, efficient and safe

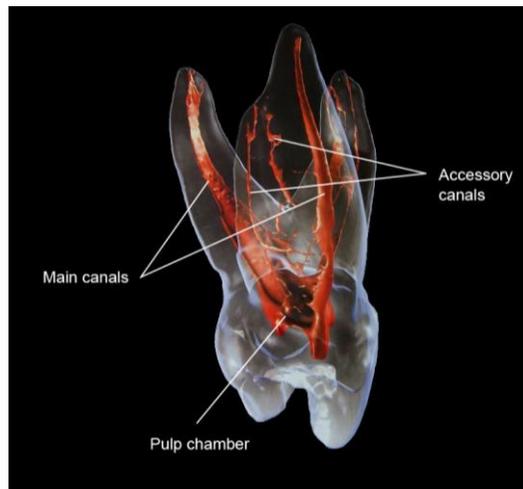


## Difficulty in Irrigation

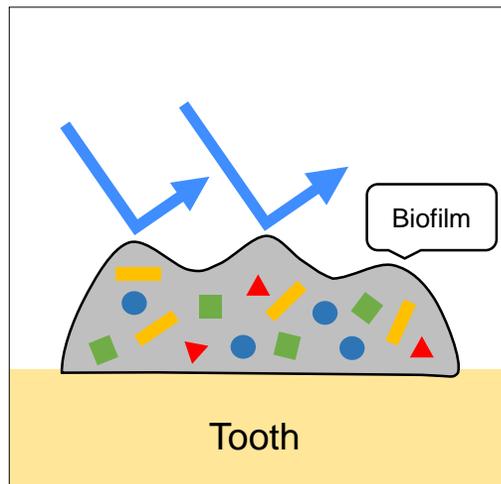
**No one doubt that doing Irrigation well is one of main factor to increase the success rate of endodontic treatment**

But there are obstacles to prevent irrigation from removing organic or inorganic substance in root canal system

**Complex canal anatomy**



**Biofilm**



**Vapor lock**



**Risk of extrusion**



Gernhardt IEJ 37, 272-280, 2004



## ■ Sales Message

**EQ-S** is Sonic activator with Unique movement,  
which helps solving your obstacle in irrigation.

: Rotational & vertical movement

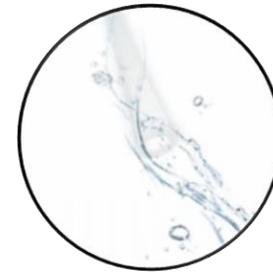
: Flexible & soft tip

: Easy operation

: Light body

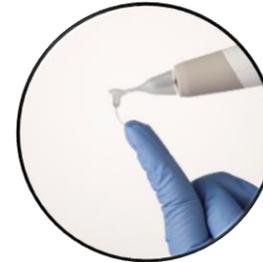
## Feature & Benefit

#	Feature	Benefit	Customer Value
1	Rotational movement → Tip moves counterclockwise and makes the wave	Flush out debris with the great cleaning efficiency	Increasing success probability of RCT
2	Flexible and soft tip → Smoothly touch the canal wall with the soft tip	No harm to dentin Going well along the curved root canal	Increasing efficiency of irrigation
3	Easy operation	No need extra study for using device	Time saving
4	Light Body	Fatigue level reduced during treatment	



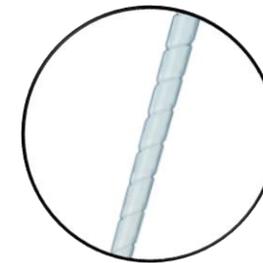
**Rotational & Vertical movement** ▶

- Flush out debris with the great cleaning efficiency
- Less pressure to the apical foramen



**Flexible and soft tip** ▶

- No harm to dentin
- Easier access to curved canals
- Color coded



**Special screw design on the tip**

- Less pressure to the apical foramen
- Perfect interaction with irrigant



43g

**Easy Operation**

- One button
- Easy attachment of tip

**Light Body**

- Light weight relieve your fatigue during treatment



## Cleaning efficiency

Division	Before testing	Activate 10 times	Activate 20 times	Activate 30 times	Activate 40 times	After testing	Test result
Endo Ultra (Ultra Sonic)							<ul style="list-style-type: none"> <li>- Black ink was still remained at apical area.</li> <li>- Metal tip is stiff, which makes hard to access in curved part.</li> </ul> <p> <a href="#">To see a test video, Please click this button</a></p>
Endo activator (Sonic)							<ul style="list-style-type: none"> <li>- Black ink was still remained at apical area.</li> <li>- It is hard to clean small &amp; narrow area with simple motion.</li> </ul> <p> <a href="#">To see a test video, Please click this button</a></p>
EQ-S (Sonic)				-	-		<ul style="list-style-type: none"> <li>- Black ink was removed throughout all the canal.</li> </ul> <p> <a href="#">To see a test video, Please click this button</a></p>



**Clinical case**

Meta KOLs found EQ-S is a multi-purpose irrigation device.

**Cleaning (Root canal)**



**Cleaning (Root canal, Pulp chamber) & Sealer Placement**



**Cleaning (Exposed implant)**



**Sealer Placement**



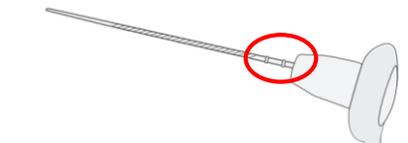
**Cleaning (Root canal)**





## Specification

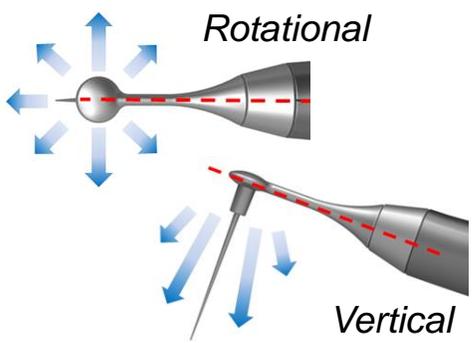
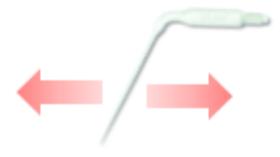
	EQ-S	Remark
Dimensions	W24 x H25 x L183	Including tip
Weight	43g	
Battery	1.5 V [Alkaline(AA)]	Not included in the Kit
Operation Time	9 hours (continuous operation)	

EQ-S Tip	Remark
	<b>Tip Size / Taper</b> 15 / 02 (White) 25 / 02 (Red) 35 / 02 (Green)
	Length of Tip :23mm Length(Depth) Mark :18mm and 20mm

## Component

Item Code	Description	Remark
026-210	EQ-S Gray Kit	EQS 1EA (Gray or Pink), Protective Sleeve 100EA / 1set EQ-S tip 90EA ( White : 15/02 - 30EA, 25/02 - 30EA, 35/02 - 30EA ) [NOTE] AA Battery is NOT included
026-220	EQ-S Pink Kit	
126-230	EQ-S Tip 15/02	30EA / 1set ( Color : White )
126-240	EQ-S Tip 25/02	30EA / 1set ( Color : Red )
126-250	EQ-S Tip 35/02	30EA / 1set ( Color : Green )
126-070	Protective sleeve	100EA / 1set

## Specification comparison

	<b>EQ-S</b> (META)	<b>Endo activator</b> (Dents)	<b>Endo ultra</b> (Vista)	<b>EDDY</b> (VDW)
				
<b>Power</b>	Sonic	Sonic	Ultra sonic	Sonic
<b>Battery</b>	Alkaline battery	Alkaline battery	Li-Ion battery	X
<b>Speed Mode</b>	2 modes	3 modes	1 mode	X
<b>Movement</b>	Multi-directional	Linear	Linear (Acoustic)	Acoustic
	 <p><i>Rotational</i></p> <p><i>Vertical</i></p>	 <p><i>Linear</i></p>	 <p><i>Linear</i></p>	 <p><i>Linear</i></p>
<b>Tip flexibility</b>	Soft	Medium	Hard	Medium



## Q&A

**[Q1] A tip is not attached well. There is a gap between the tip and device. Is it correct to attach?**

[A1] It is right that there is a gap.

**[Q2] Can a tip be rotated after being attached?**

[A2] Tip can not be rotated after being attached. It can result in some problem with the device.

**[Q3] Is there any depth mark on a tip?**

[A3] The total length of tip is 23mm long and there are marks- 18mm and 20mm.

**[Q4] How deep do I need to put a tip inside of the canal?**

[A4] We recommend to insert a tip 5 mm shorter than the measured working length.

**[Q5] How do I turn off the device?**

[A5] Hold down the button for 2 seconds





## Q&A

**[Q6] Which battery do I need to buy for the device?**

[A6] Alkaline AA battery. (Note that the kit doesn't come with battery)

**[Q7] How long can one full battery operate?**

[A7] It can run continuously about 24 hours according to our experience.

**[Q8] How many Hz is for EQ-S?**

[A8] Since EQ-S has rotational movement, we would like to say 'RPM' rather than 'Hz'.

The high mode (Orange) is 13000rpm and low mode (Blue) is 8000rpm.

i.e. RPM (Revolution Per Minute)

CPM (Cycle Per Minute)

Hz ( Cycle Per Second)

i.e. EQ-S is max 13000 rpm → about 217Hz

Endoactivator is max. 10000 cpm → about 167Hz

