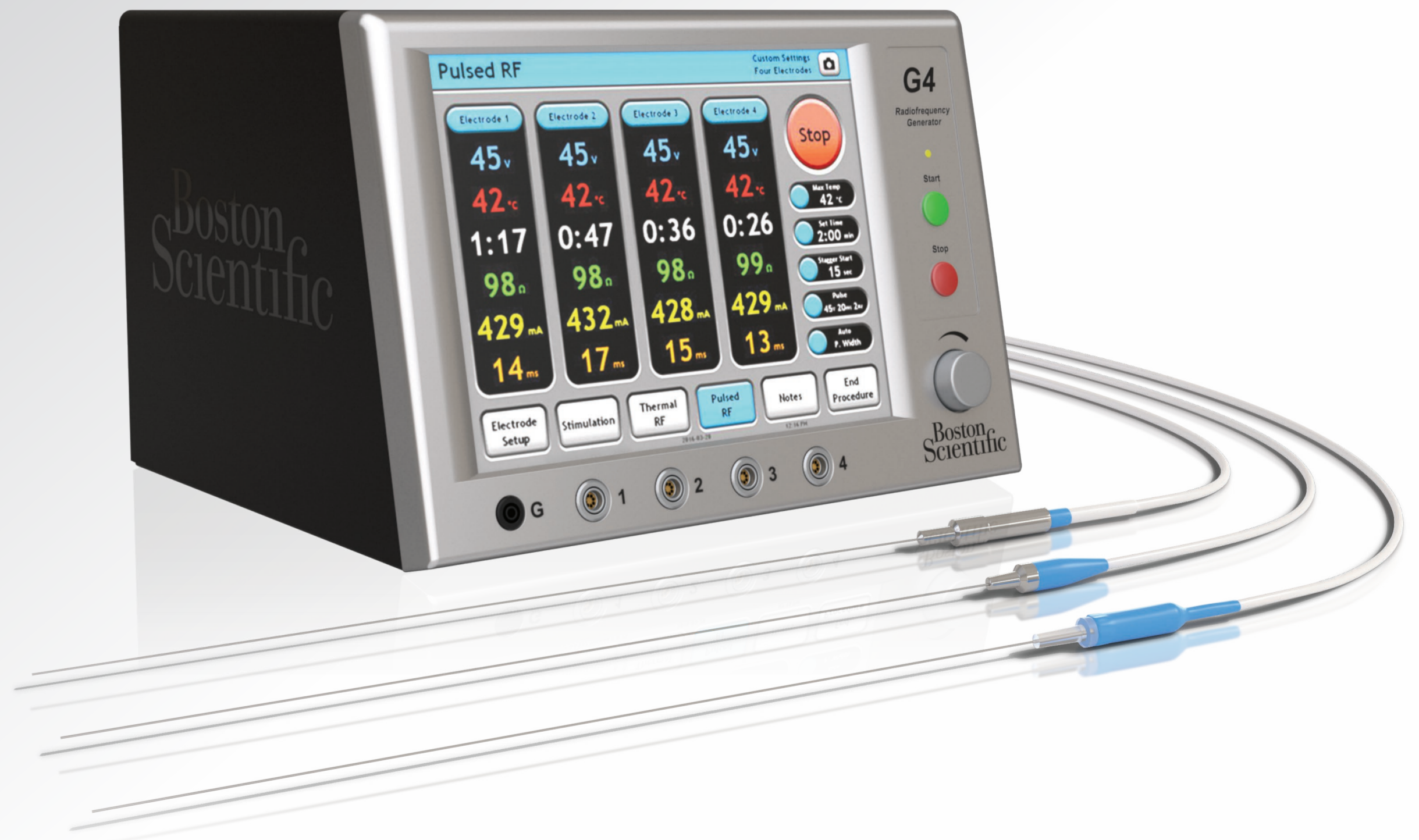




# Radiofrequency Ablation Portfolio

The most versatile RF portfolio for pain management



# G4™ RF GENERATOR

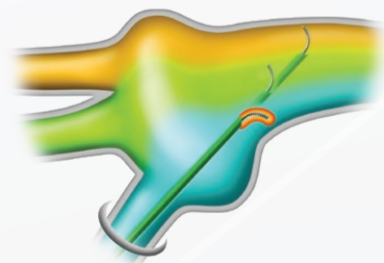
## VERSATILE. INTUITIVE. RELIABLE.

*Designed to give consistent, reliable results with a wide range of features in an easy-to-use interface*

- Intuitive 12" touchscreen with large colour-coded status visualisations
- Automatic or manual stimulation controlled with touchscreen or dial with simultaneous or staggered start options
- Choose between two interfaces to suit your needs: one touch or graphing
- Create multiple customised presets that can be saved for future use
- Exportable data



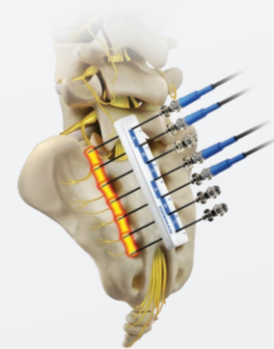
Ability to treat up to four sites at once with independently controlled electrode outputs using monopolar, bipolar, or pulsed RF.



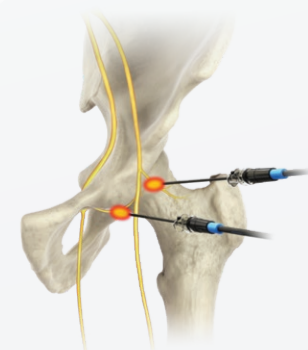
Trigeminal



Facet Joint



Sacroiliac Joint



Hip Joint



Knee Joint



Podiatry



# RF CANNULAE AND ELECTRODES

## MORE OPTIONS

*with a wide range of electrodes and cannula to fit your procedural needs*

- Electrodes with high-accuracy temperature measurement
- Electrodes compatible with both straight and curved cannulae of any gauge
- Each cannula length is colour coded to match the corresponding electrode length

### DISPOSABLE (TCD) ELECTRODES

- Sterile-packed, one-time-use electrode
- Eliminates sterilisation planning



### STAINLESS STEEL ELECTRODE (CSK)

- Reusable electrode with stainless steel hubs
- Autoclavable for reuse in multiple procedures
- Available with integral 3-metre cable (CSK-TCx-3M)



### NITINOL ELECTRODE (TCN)

- Reusable electrode made of flexible Nickel-Titanium memory metal and stainless steel hubs
- Designed for daily use and autoclaving.



### SMOOTH, STEERABLE RF CANNULAE


- Straight (CC) or Curved (RFK)
- 5, 10, 15, 20cm shafts
- 2, 4, 5, 10, 15mm tips
- 22, 21, 20, 18 gauge
- Sharp or Blunt
- Echogenic for enhanced procedural versatility
- Siliconised


### AVAILABLE TIPS

STRAIGHT SHARP 

CURVED SHARP 


CURVED BLUNT 

STRAIGHT SHARP - ECHOGENIC 

CURVED SHARP - SIDEKICK 

### AVAILABLE LENGTHS

5cm 

10cm 

15cm 

20cm 

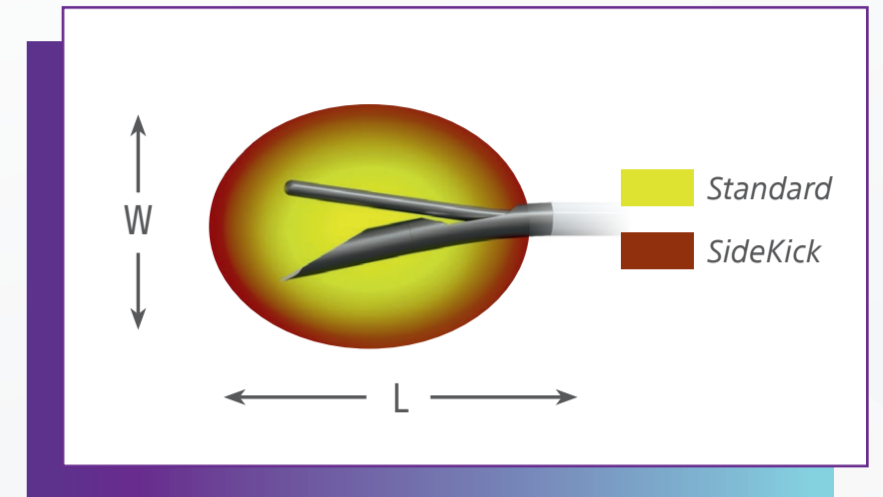


# SIDEKICK™ 2 CANNULA

## SMALLER GAUGES. LARGER LESIONS.

*Designed to create less invasive, larger lesions for improved outcomes*

- Clinical data proves larger lesions drive better outcomes\*
- SideKick™ 2 has been designed to produce larger lesions without the need for additional equipment, procedural changes, or additional procedure time.
- Create more than double the lesion size versus a standard cannula\*\*
- Compatible with both the TCD Disposable Electrode and the TCN Reusable Electrode



Ergonomic Hub



Use TCN Reusable Electrodes or go with a fully disposable option with TCD Disposable Electrodes



Unique Deployment Design

References:

\* Cohen SP, et al. Consensus practice guidelines on interventions for lumbar facet joint pain from a multispecialty, international working group. Reg Anesth Pain Med 2020;45:424–467. Roberts SL et al. Anatomical Comparison of Radiofrequency Ablation Techniques for Sacroiliac Joint Pain Pain Medicine 2018; 19: 1924–1943

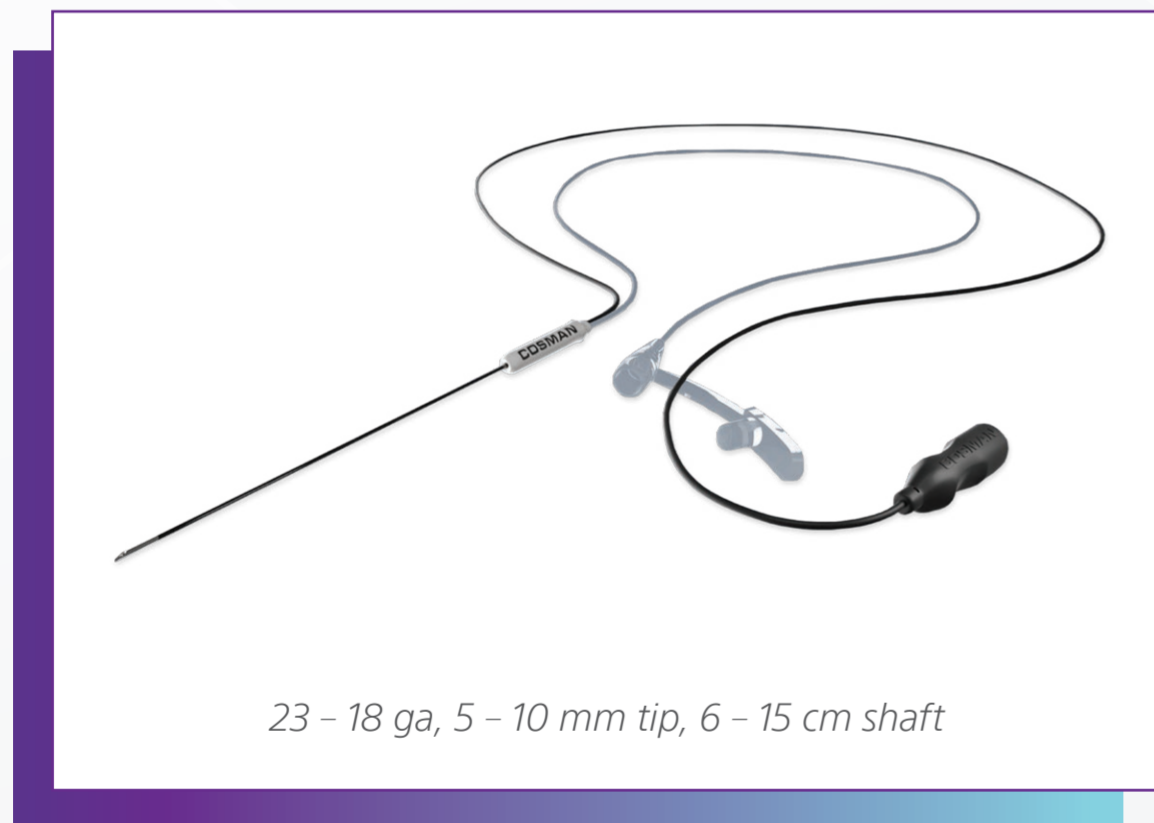
\*\* Sidekick Cannula (20ga/10mm), Mean +/- SD (n=8) extent of colour change in porcine muscle ex vivo at 37°C, set temperature 80°C, set time 2:00 minutes, monopolar RF, Cosman G4 generator, Ellipsoidal volume V estimated from cross-sectional measurements. Ex vivo lesions may differ from clinical lesions.



# UNIFIED™ ALL-IN-ONE CANNULA/ELECTRODES

## SPEED. EASE. CONTROL.

- All-in-one design combines electrode, cannula, temperature sensor and injection tube
- Designed to minimise cannula movement during procedure
- Sterile-packed, one-time-use system reduces steps and eliminates sterilisation planning
- Available in multiple sizes, straight and curved tips



## Other Injection Electrodes and Needles

### RF INJECTION ELECTRODE (CR)

- 5mm tip for voltage-control RF
- Disposable

### NERVE BLOCK INJECTION NEEDLE (CN)

- High quality, reliable, low cost
- Disposable

### STIMULATION INJECTION ELECTRODE (CP)

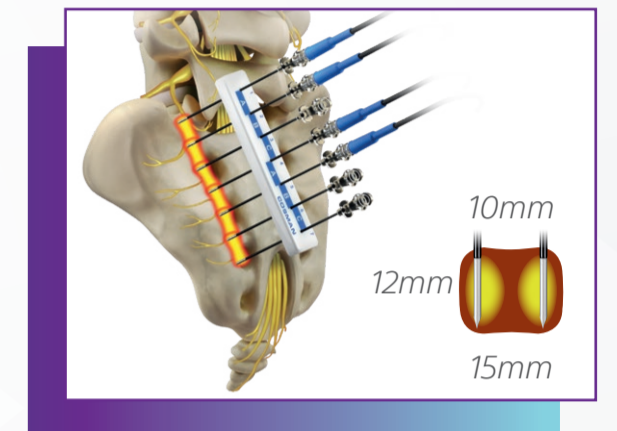
- 1mm tip for precise stimulation-guided blocks
- Disposable

# PALISADE™ GUIDE BLOCK

## FASTER. EASIER. MORE COMPLETE.

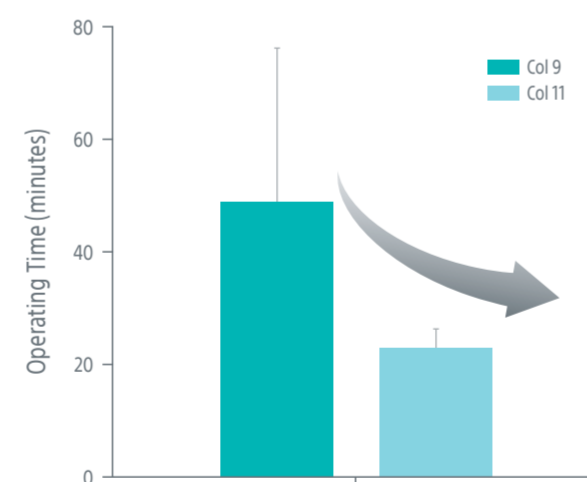
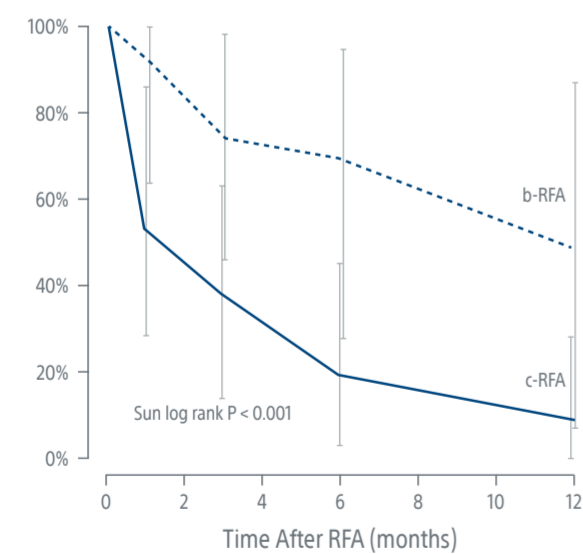
- Treat SI joint pain with standard cannulae using bipolar lesions
- Designed to provide parallel 10mm spacing between 18 or 20 gauge cannulae
- X-ray markers for AP fluoro placement
- Generates an elongated ablation that conforms to the individual's sacral curvature for a more complete lesion zone
- Smaller cannulae, fewer placements, lower cost\*

\*Cosman & Conzalex. Pain Practice 2011; 11(1): 3-22



### Clinical Evidence: Better outcomes for your patients

Percent with >50% Pain Relief



Palisade bipolar RF vs Cooled RF for Sacroiliac joint, Cheng, Pain Physician 2016; 19:603-615

- Significantly improved clinical outcomes
- OR time decreased by more than 50%
- X-ray exposure time and dose decreased by more than 80%
- Decreased costs by more than \$1,000 per case

References:

Cheng J, Chen SL, Zimmerman N, Dalton JE, LaSalle G, Rosenquist R. A New Radiofrequency Ablation Procedure to Treat Sacroiliac Joint Pain. Pain Physician. 2016 Nov-Dec;19(8):603-615.

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NM-715802-AB

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