

# STIMULATOR SELECTION GUIDE

Selecting the correct CHECKPOINT® Stimulator will depend on its clinical application. All Checkpoint stimulators use advanced stimulation technology to allow for safe and repeatable tissue activation. Beyond this, key differences between CHECKPOINT GUARDIAN™ and CHECKPOINT GEMINI™ will guide your selection.



## CHECKPOINT GUARDIAN™ Nerve Stimulator

Checkpoint Guardian offers versatility and performance to support decision making across a wide range of surgical procedures. Checkpoint Guardian provides broad regional stimulation that can be used to reliably locate nerves obscured by scar, tumor or dense tissue. Its range of settings enables use in small branch nerve location and direct nerve stimulation. In addition, Checkpoint Guardian may be used for direct muscle stimulation for intraoperative modeling of postoperative results in tendon transfer or repair and muscle transfer procedures.

## CHECKPOINT GEMINI™ Bipolar Nerve Stimulator

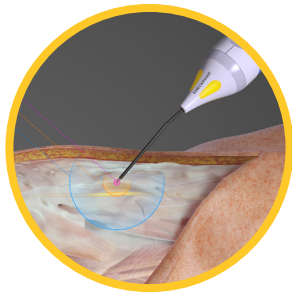
Checkpoint Gemini is a specialized bipolar stimulator optimized for precise direct nerve stimulation. This unique device produces highly localized stimulation that can enable the identification of small nerve branches or specific motor fascicle groups. Its range of stimulation settings enables epineurial activation of healthy nerve as well as intraneural use to activate specific fascicular bundles. With its 32Hz stimulation frequency, it is appropriate for the activation of facial fast twitch muscle fiber, which is especially useful in identifying the contraction vector in facial reanimation cases.

	CHECKPOINT GUARDIAN	CHECKPOINT GEMINI
Nerve Location	●	
Nerve Identification	●	●
Nerve Assessment	●	●
Fast Twitch Muscle		●
Direct Muscle Stimulation	●	
Area of Activation	BROAD	PRECISE
Intraneural Selectivity	GOOD	BEST
Stimulation Probe	MONOPOLAR	BIPOLAR
Current Return Needle	●	
Stimulation Amplitude Settings	0.5mA, 2.0mA, 20.0mA	0.1mA, 0.5mA, 1.0mA
Pulse Duration Settings	10–200µs (10µs increments)	10–200µs (10µs increments)

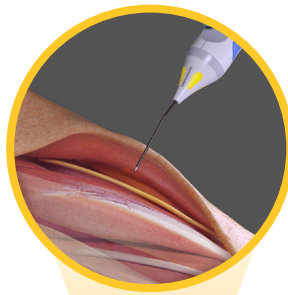
# STIMULATOR SELECTION QUICK REFERENCE

## CHECKPOINT GUARDIAN™

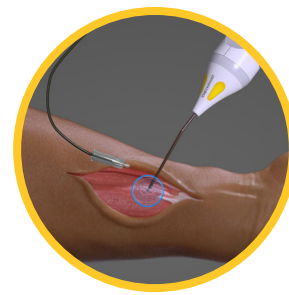
BROAD field of stimulation



Mapping through scar, tumor or dense tissue



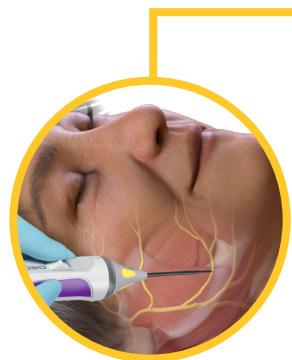
Direct nerve stimulation



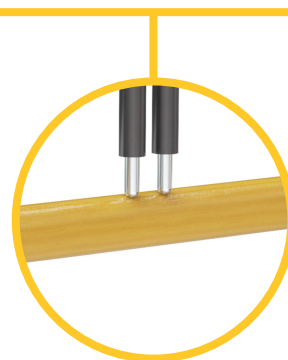
Direct muscle stimulation for intraoperative modeling

## CHECKPOINT GEMINI™

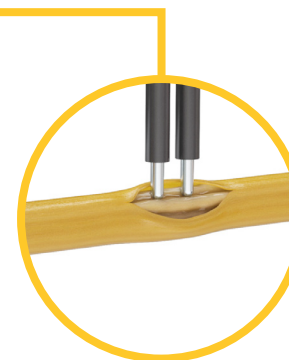
FOCUSED field of stimulation



Small motor branch stimulation



Fascicular mapping



Intraneural stimulation

## INDICATIONS FOR USE

Both the Checkpoint Guardian Nerve Stimulator and the Checkpoint Gemini Bipolar Nerve Stimulator are single-use, sterile devices intended to provide electrical stimulation of exposed motor nerves or muscle tissue to locate and identify nerves and to test nerve and muscle excitability. Do not use these stimulators when paralyzing anesthetic agents are in effect, as an absent or inconsistent response to stimulation may result in inaccurate assessment of nerve and muscle function.

For a complete list of warnings and precautions regarding the use of the stimulators, please visit [checkpointsurgical.com/ifu](http://checkpointsurgical.com/ifu).



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