



Skull Base, Micro- and Neurosurgery Solutions



**PRECISION
ELECTROSURGERY**

Solutions for Skull Base, Micro- and Neurosurgery

There are major challenges for the surgeon treating lesions of the skull base such as: gaining sufficient access or working minimally invasively to produce negligible visible scarring. The choice of suitable instruments such as fine non-stick bipolar forceps can play an important role in making surgery potentially less difficult and time-consuming. **Sutter** offers a wide range of angled and curved tipped forceps to address the specific challenges of microdissection and coagulation despite limited access to the anatomical structures – **redefining bipolar coagulation**. Minimally invasive approaches and technologies are important in micro- and neurosurgery. The goal of these approaches is to do the least amount of

damage to surrounding tissue whilst effectively treating the disease or lesion. For this reason, more and more surgeons choose surgical techniques such as keyhole surgery or the transsphenoidal endonasal approach. The use of radiofrequency can play a valuable supporting role in minimally invasive micro- and neurosurgery. The precise application of ultra-high frequency at 4 MHz capacitively bridges the cell walls and leads to less lateral thermal damage and less charring, thereby meeting the essential goals of modern surgery.

With the CURIS® 4 MHz radiofrequency generator, ARROWtip® monopolar microdissection electrodes, and a large variety of bipolar instruments such as SuperGliss® non-stick bipolar forceps and Calvian endo-pen® bipolar forceps, Sutter offers innovative solutions for micro-, neuro- and skull base surgery.



CURIS®

4 MHz radiofrequency generator
(incl. main cord, user manual
and test protocol)

36 01 00 - 01

One unit – many applications

CURIS®

4 MHz Radiofrequency Generator

Minimally invasive surgery may begin with the skin incision. The CURIS® 4 MHz radiofrequency generator with **tissue impedance control** offers the clinician an attractive option: The ultra-high frequency leads to lower tissue impedance (Gabriel et al., 1996*) allowing incision and coagulation with less thermal damage. Histological evaluations in peer-reviewed journal articles confirm that CURIS® 4 MHz RF-induced incisions create significantly less thermal damage and that wound healing is faster (Hoffmann et al., 2014; Mühlhays et al., 2015*).

*Papers on file. Abstracts available upon request.



ARROWtip™

monopolar microdissection electrode



45° angled
working length 20 mm

36 03 21

ARROWtip™

monopolar microdissection electrode



straight
working length 20 mm

36 03 20

Calvian® duckbill+

bipolar forceps
with suction

working length 120 mm
45° angled tip

70 09 39



for intranasal work

Calvian endo-pen®

without suction

0.7 mm tip width
15° angled tip

working length 100 mm

EU flat connector

70 09 59

US pin connector

70 09 59 S



short version

working length 180 mm

EU flat connector

70 09 57

US pin connector

70 09 57 S



regular version

Our entire range of products can be found on our website www.sutter-med.com.



AutoRF function

Tailors energy output.



4 MHz Radiofrequency

Higher frequency for less resistance of biological tissue.

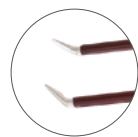


SuperGliss® non-stick TEO

bipolar forceps

78 31 96 SG

working length 115 mm

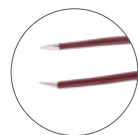


SuperGliss® non-stick ELP

bipolar forceps

78 22 86 SL

working length 85 mm



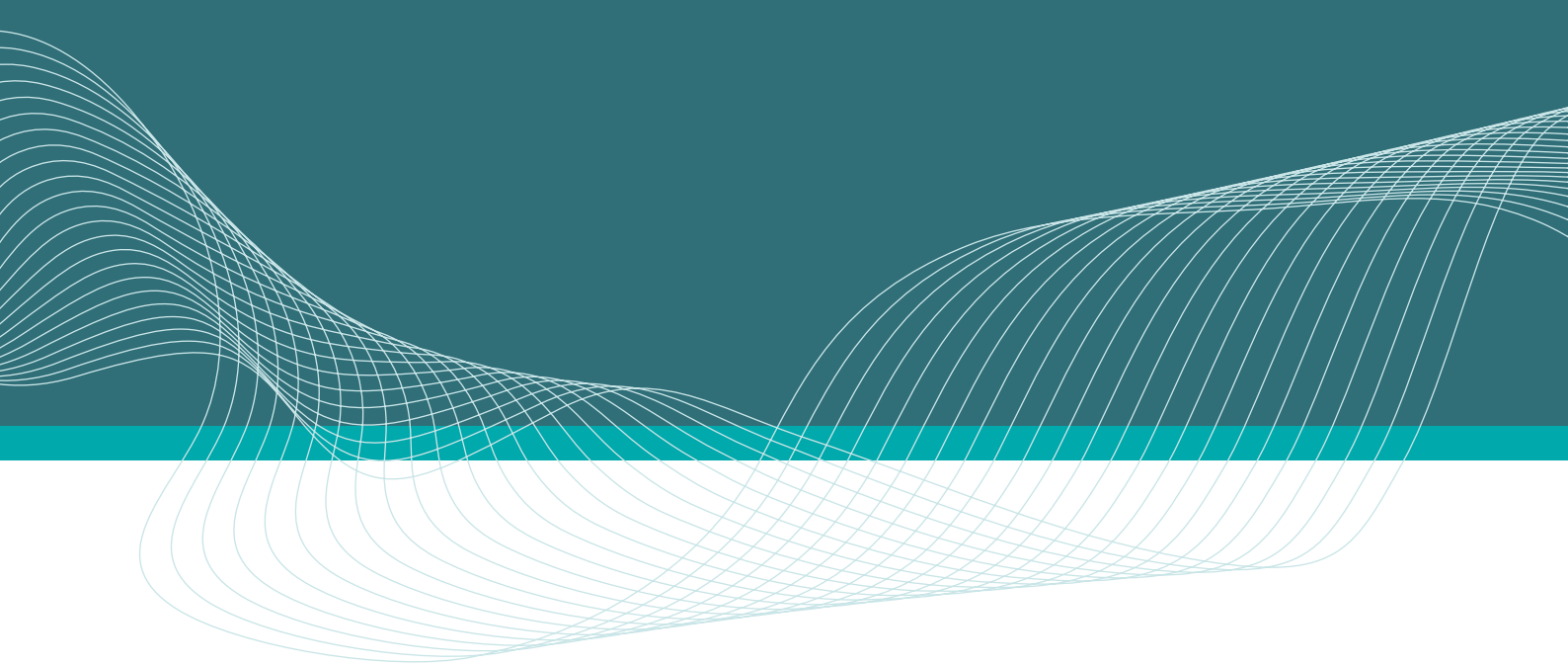
SuperGliss® non-stick zhora

bipolar forceps

78 49 86 SGZ

working length 85 mm





The wide range of our products can be found on our website and in our brochures.



SUTTER MEDIZINTECHNIK GMBH

TULLASTRASSE 87 · 79108 FREIBURG/GERMANY · TEL. +49(0)761-51551-0 · FAX +49(0)761-51551-30

WWW.SUTTER-MED.COM · INFO@SUTTER-MED.DE