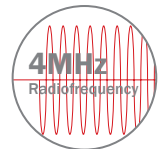




CURIS[®]

4 MHz Radiofrequency Generator



PRECISION
ELECTROSURGERY



Welcome

Sutter Medizintechnik is an owner-managed family business based in Freiburg, Germany, founded in 1970. The success and growth are based on innovative products for precision electrosurgery, such as non-stick bipolar forceps and the CURIS® 4 MHz radiofrequency generator.

In the year 2000, we were the first company in the market to produce truly non-stick bipolar forceps. Since then we have successfully developed into one of the leading global manufacturers, offering customers a broad range of different designs and models.

We count on German craftsmanship and the in-house manufacturing of products Made in Germany. Highly qualified surgery mechanics fabricate bipolar forceps according to the highest quality standards – by hand and directly in Freiburg. We do not compromise on safety for patients and users.

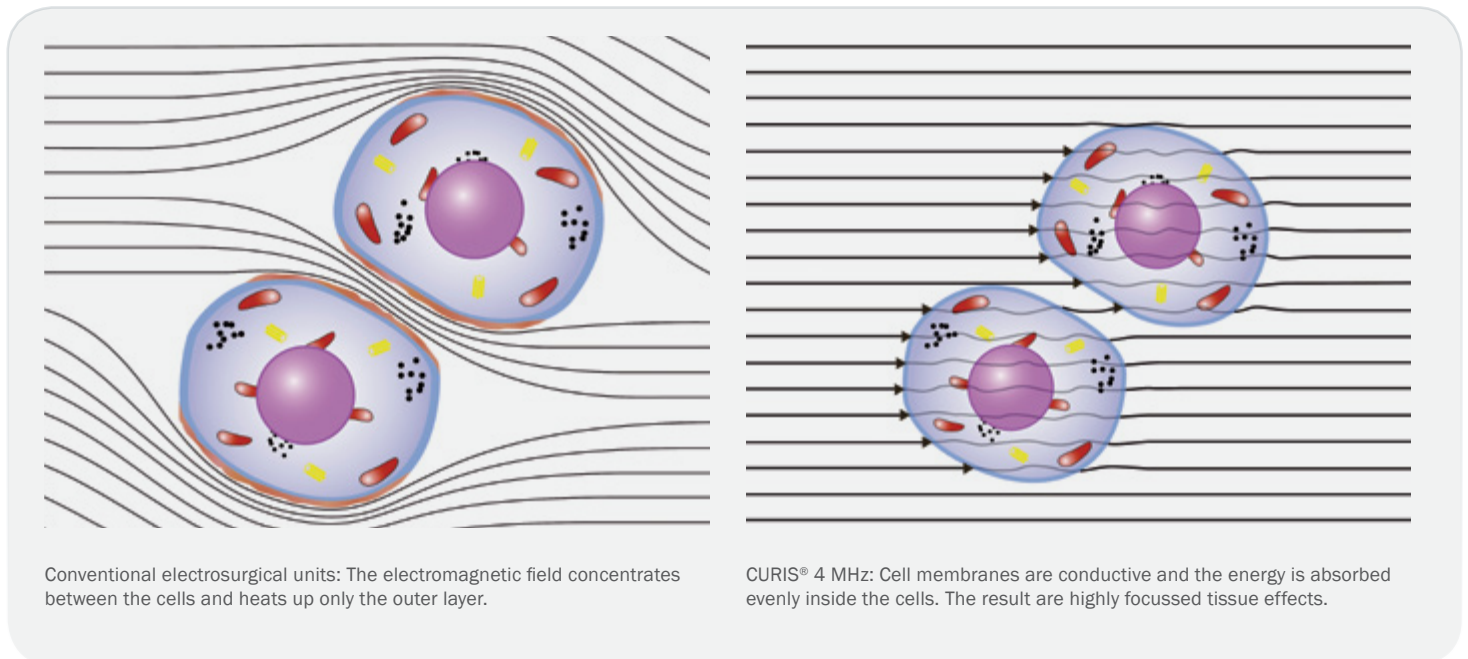
The innovative CURIS® 4 MHz radiofrequency generator offers surgeons in various disciplines the benefits of the ultra-high 4 MHz frequency for both monopolar and bipolar operating modes.

Doctors and medical professionals all over the world inspire and motivate us. They confirm us in our goal to strive for continuous improvement of our durable, high-quality products for added safety and effectiveness in clinical experience.

CURIS® 4 MHz Technology

4 MHz Radiofrequency

The higher the frequency, the less the resistance of biological tissue to electromagnetic fields – up to the point where the cell membranes are capacitively coupled.



Source: Holder, D. S.: Electrical Impedance Tomography – Methods, History and Applications. IOP Publishing Ltd 2005



CURIS® p³™ Technology

p³™ is active in all coagulation modes of the CURIS® 4 MHz radiofrequency generator. Radiofrequency energy is delivered in small packages of about 50 per second. Due to the pulsed power output, there are very short breaks between the individual packages. The tissue has the time to absorb the energy.

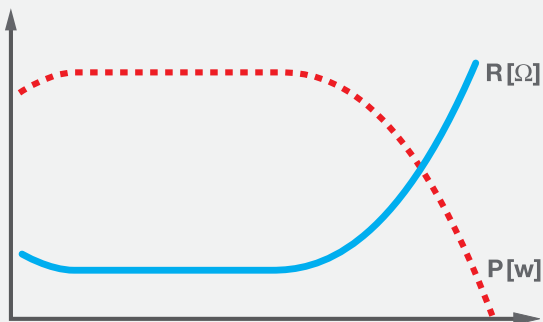


CURIS®: one device
- many applications

CURIS® Precision thanks to AutoRF™

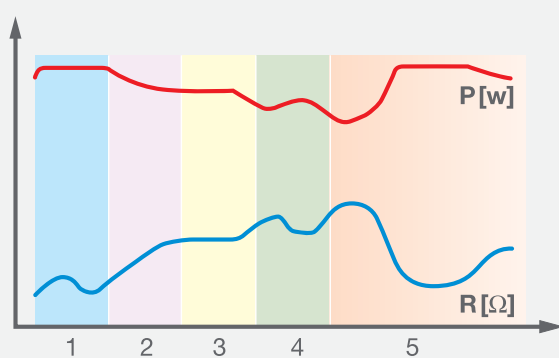
The AutoRF™ function is a key control feature of the CURIS® 4 MHz radiofrequency generator. It responds to tissue impedance in all modes and adjusts the power output according to tissue resistance in certain modes. AutoRF™ will tailor the energy output (will cut off if needed or increase to the chosen maximum) in order to help achieve reproducible surgical results while cutting or coagulating.

CURIS® RaVoR™



RaVoR™ mode: The pulsed power output with short intervals between the individual packages allows for the coagulated tissue to absorb the applied energy.

CURIS® CUT



Monopolar cutting: Sections 1 to 5 illustrate the different kinds of tissues and cutting speeds to which the unit adjusts its power output. Illustration only.

CURIS® 4 MHz radiofrequency generator & accessories

CURIS® 4 MHz radiofrequency generator - Basic set

87 00 11 - CURIS® Basic set		
Qty.	REF	Description
1	36 01 00-01	CURIS® radiofrequency generator (incl. main cord, user's manual and test protocol)
1	36 01 10	Foot switch two pedals for CURIS® (cut & coag), cable length: 4 m (~ 13 ft)
1	36 02 38	Reusable cable for single-use patient plates, length: 3 m (~ 10 ft)
1 (x50)	36 02 29	Disposable split patient plates
1 (x50)	36 44 04	Disposable monopolar pencils



Accessories

36 09 00 - Fuego Trolley

The trolley has a solid design and comes with a hook to mount the foot switch. Two storage baskets for accessories and documentation.



Disclaimer:

The information presented herein has been carefully researched and compiled with the help of specialist physicians. They are not meant to serve as a detailed treatment guide. They do not replace the user instructions for the medical devices used. Sutter accepts no liability for the treatment results beyond the mandatory legal regulations.

CURIS® Technical data

RF output max.	performance	oper. frequency		
monopolar				
CUT 1 (unmodulated)	100 W ± 20 % 600 Ω	4.0 MHz	Modulation frequency	33 kHz
CUT 2 (modulated)	80 W ± 20 % 600 Ω	4.0 MHz	Mains supply	100-240 V; 50/60 Hz
CONTACT (Coag)	80 W ± 20 % 400 Ω	4.0 MHz	Measurements W x H x D	320 mm x 170 mm x 385 mm
SOFTSPRAY (Coag)	60 W ± 20 % 600 Ω	4.0 MHz	Weight	approx. 5.2 kg/11lb
bipolar				
BICUT 1	80 W ± 20 % 300 Ω	4.0 MHz	Mode of operation	Intermittent INT 10 s / 30 s equals 25 % ED
BICUT 2	80 W ± 20 % 300 Ω	4.0 MHz	Standards	IEC 60601-1; IEC 60601-2-2
EXCISE (Cut)	80 W ± 20 % 300 Ω	4.0 MHz	Safety class	I
MACRO (Coag)	80 W ± 20 % 50 Ω	4.0 MHz	EMC (Interference suppr.)	IEC 60601-1-2
PRECISE (Coag)	50 W ± 20 % 50 Ω	4.0 MHz	Type	CF (cardiac floating) defibrillator-proof
RaVoR™	40 W ± 20 % 50 Ω	4.0 MHz	Quality assurance	ISO 13485



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