



erbe

power your performance.



Tissue-selective hydrodissection

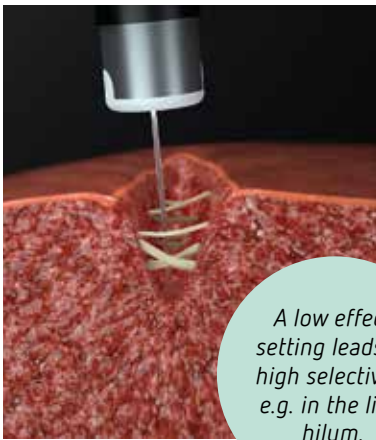
Multiple options for parenchymal
dissection in liver surgery

Selectivity protects tissue

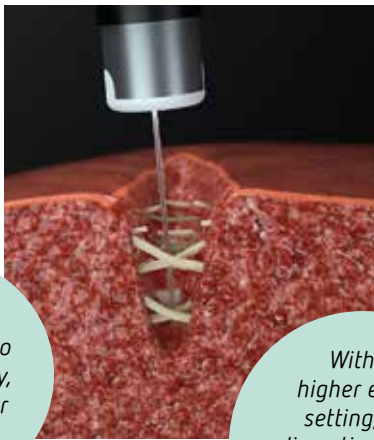
The ERBEJET® 2 system enables athermal tissue-selective hydrodissection of the liver^{2,8,13,17}. Vascular structures and bile ducts can be treated gently in both open and laparoscopic surgical interventions^{8,10,14}. Therefore, blood vessels and bile ducts can be exposed selectively from the parenchyma and treated in a targeted manner^{11,13}.

Multiple options for parenchymal dissection

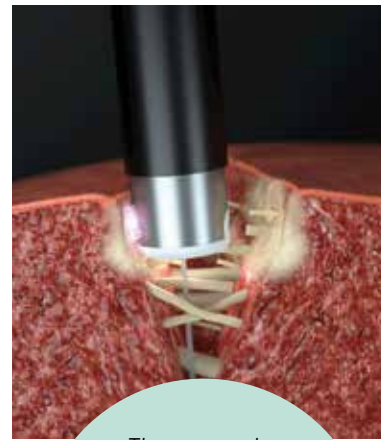
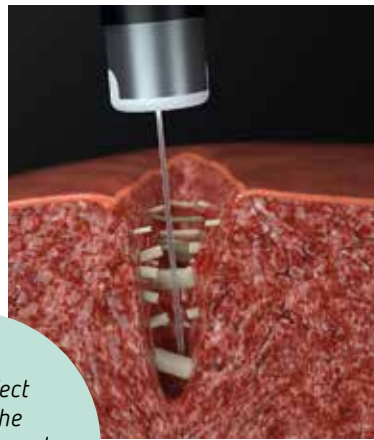
ERBEJET® 2 applicators with integrated suction provide a good view of the procedural field and contribute to short surgery times through irrigation and suction^{8,10,18,19}. Athermal hydrodissection achieves intact resection margins^{2,13,18}. Tumors on the hepatic veins and vena cava can be resected along these structures^{11,12,13}. The hilar plate can be precisely defined, and bile ducts and vessels can be visualized on the hepatic hilus in various hepatic conditions: healthy liver tissue, cirrhotic liver tissue, or fatty liver¹³. Furthermore, a clinically significant spread of cancer cells could not be demonstrated^{13,14,16}.



A low effect setting leads to high selectivity, e.g. in the liver hilum.



With a higher effect setting, the dissection speed is increased with decreasing selectivity.



The monopolar applicator can further increase the dissection speed by simultaneously activated monopolar coagulation/ dissection modes and hydrodissection.

Benefits at a glance

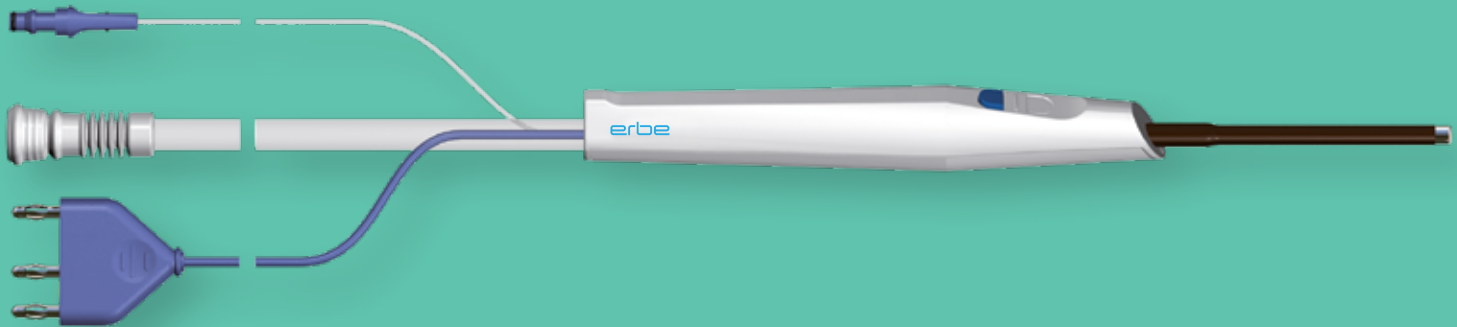
- ☑ Hydrodissection reduces blood loss when compared to other selective dissection techniques^{2,13,17}.
- ☑ A low rate of bile leakage is observed during hydrodissection with ERBEJET® 2^{1,2}.
- ☑ The need for blood transfusions is reduced^{2,13,17}.
- ☑ According to experienced users, hydrodissection with the ERBEJET® 2 system is easy and quick to learn¹³.
- ☑ Tissue-selective hydrodissection can reduce the Pringle time or avoid Pringle maneuvers altogether^{11,17}.

Applicator with monopolar electrosurgical function

Dissection, coagulation and suction combined in a single instrument

Hydrodissection with this applicator exposes vessels that can be electrosurgically coagulated or dissected depending on the VIO® mode^{8,14}. The combination of dissection, coagulation and suction provides expanded clinical utility in a single instrument and can shorten operating time as fewer instrument changes are required^{8,9}.

The monopolar applicator can further increase the dissection speed by simultaneously activated monopolar electrosurgical function and hydrodissection¹⁹. Bleeding, which is already at a low level due to the technique, is further reduced, making coagulation more homogeneous and less necrotic⁷. Diffuse parenchymal hemorrhages are also easy to coagulate with the monopolar applicator^{3,4,5}.



The system

ERBEJET® 2 is compatible with the VIO® 3 workstation and can be used as a module or as an individual unit. The combination of the two technologies – electrosurgery and hydrosurgery – provides unique clinical utility. Various applicator designs are available for open or laparoscopic techniques. The ESM™ 2 suction module has been optimized with the system to ensure good visualization of the surgical site.



Applicator with suction
REF No. 20150-238



Applicator, curved tip
REF No. 20150-226



Applicator, straight
REF No. 20150-230



Applicator, straight, with monopolar
electrosurgical function
REF No. 20150-236

Surgery workstation:

*VIO® 3 electrosurgery
APC® 3 plasmasurgery
ERBEJET® 2 hydrosurgery
ESM™ 2 suction module*



Product data

Units, modules and accessories

10150-000	ERBEJET® 2 hydrosurgical unit
20180-000	VIO® cart system carrier
20180-010	VIO® cart wire basket
10340-000	Erbe ESM™ 2 suction module
20150-102	ERBEJET® 2 one-pedal footswitch w/ReMode®; AP & IP X8 equipment
20180-141	Fastening set ERBEJET® 2/APC® 3 to VIO® cart
20180-144	Fastening set VIO® 3 and APC® 3 to ERBEJET® 2
20180-135	Fastening set for VIO® cart to attach EIP™ 2/ESM™
20180-042	Bracket / side rail, length 390 mm
20180-040	Bracket / side rail, length 260 mm
20325-002	Hook for irrigation-liquid bag on bracket / VIO® cart
077.0922	Silicone tubing, 60 cm D 7 X 12 mm, 60 cm with 2 coupling pieces
077.0085	Suction jar 2.5 liters, polycarbonate, for disposable collection system
077.0563	Change-over valve w/clampholder & tubing set
077.0521	Clampholder, plastic

Single-use instruments and accessories

20150-300	Pump cartridge for ERBEJET® 2 (box of 5)
20150-236	Applicator w/coagulation and suction; OD 6 mm; lenght 80 mm (box of 4)
20150-230	Applicator w/suction; OD 6 mm; lenght 65 mm (box of 5)
20150-238	Applicator w/suction; OD 6 mm; lenght 306 mm (box of 5)
20150-231	Applicator w/suction; flexible tip; OD 6 mm; lenght 65 mm (box of 5)
20150-226	Applicator; OD 5 mm; lenght 336 mm; curved tip (box of 5)
077.0086	Suction bag (box of 40)
077.0571	Disposable overflow protection/bacteria filter; Medela connection (box of 10)

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