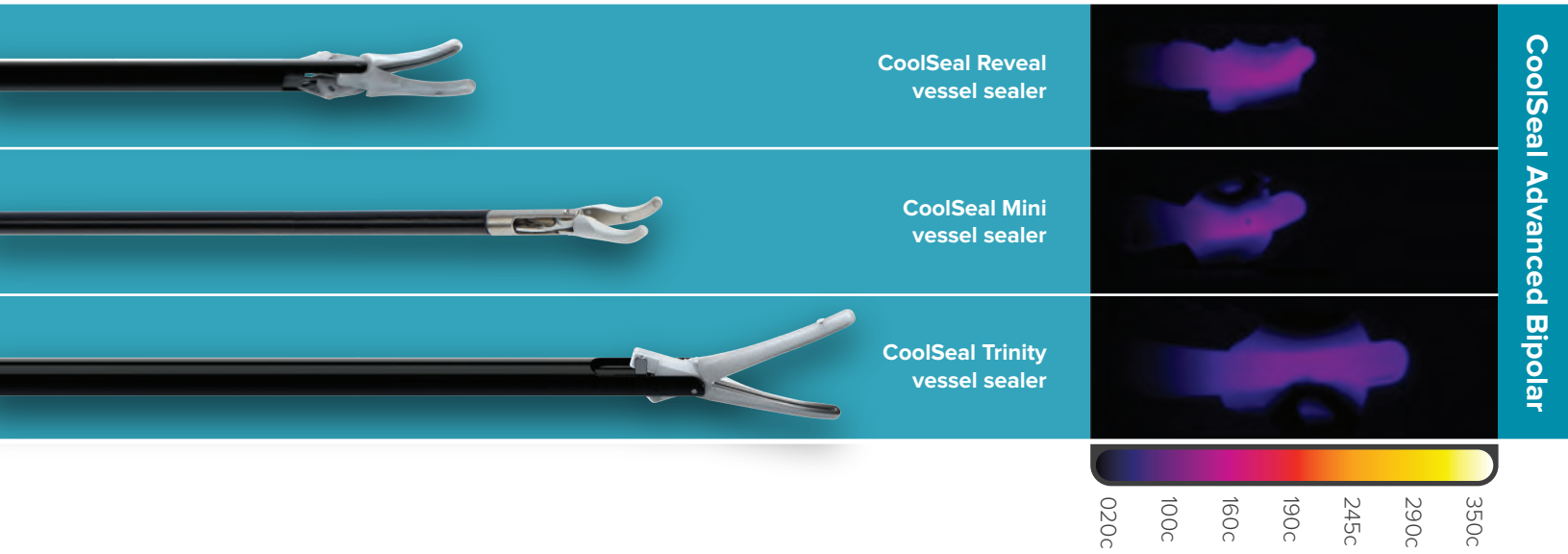


Experience vessel sealing reinvented with the CoolSeal® portfolio of surgical instruments

CoolSeal devices feature a low thermal profile, with outer jaws that stay cool.^{4,5,6}



CoolSeal devices feature slim, dual-action jaws.

- Slim jaws are designed for precise dissection, grasping and sealing in the tightest surgical spaces.
- The multifunctional, dual action jaws are designed to limit instrument exchanges and reduce procedure time.

Fast, reliable seals with < 1 mm average thermal spread^{1,2,3}



Cool, outer jaws avoid irreversible damage to adjacent tissue.^{4,5,6} Inside of jaws cool quickly so the surgeon can move to the next task.^{7,8}

Specifications

	Product No.	Shaft Length	Shaft Diameter	Jaw Length	Jaw Design
CoolSeal Reveal	CSL-RV105-10	10 cm	5 mm	12 mm	Maryland
CoolSeal Generator	CSL-200-50	—	—	—	—
CoolSeal Trinity	CSL-TR105-30	30 cm	5 mm	20 mm	Maryland
	CSL-TR105-37	37 cm	5 mm	20 mm	Maryland
	CSL-TR105-44	44 cm	5 mm	20 mm	Maryland
CoolSeal Mini	CSL-MN103-20	20 cm	3 mm	10 mm	Maryland

Elevate your expectations with the CoolSeal® portfolio of products

We revolutionized minimal impact surgery with microsurgical devices that combine the safety of advanced bipolar RF sealing technology with the precision and versatility of true surgical instruments. The CoolSeal vessel sealing portfolio offers practical solutions for a range of surgical procedures that benefit from smaller incisions and with minimal thermal footprint.

Contact your Hologic representative or visit us at <https://gynsurgicalsolutions.com/hcp/AESS> for more information or to schedule a demonstration of the CoolSeal portfolio.

References

- ¹ Internal Report NAR-VE-1735_2
- ² Internal Report 16375_2
- ³ A simplified, low power system for effective vessel sealing. Lyle A, Kennedy J, Schmaltz D, Kennedy A. The International Society for Optic and Photonics(SPIC) 2015."
- ⁴ Critical structures tested include bowel and vasculature. Internal report BOLD-1901
- ⁵ Critical structures tested include bowel and vasculature. Internal report BOLD-2001
- ⁶ Evaluation of Adjacent Tissue Thermal Damage When Using the JustRight Surgical Vessel Sealing System. Suzanne Yoder, MD; Jenifer Kennedy, PhD; Allison Lyle, MS; Allison Bendele, DVM, PhD. Society of Gastrointestinal and Endoscopic Surgeons (SAGES) 2015
- ⁷ Internal Report NAR-EN-17449_1
- ⁸ Internal Report 16457_1
- ⁹ Internal report NAR-VE-17353_2
- ¹⁰ 510(k) K211579
- ¹¹ Internal Report NAR-EN-17455_1
- ¹² 510(k) K203640
- ¹³ Internal Report 16451_1
- ¹⁴ Internal Report 16339_1,

Important Safety Information

The CoolSeal® Trinity sealer/divider/dissector is a bipolar electrosurgical instrument intended for use in minimally invasive or open surgical procedures where ligation and division of vessels, tissue bundles, and lymphatics is desired. The CoolSeal® Trinity sealer/divider/dissector can be used on vessels (arteries, veins, and vascular bundles) up to and including 7 mm in diameter. It is indicated for use in general surgery procedures including urologic, vascular, and gynecologic. It is indicated for use in adult and pediatric populations (infants, children, and adolescents). Procedures may include, but are not limited to, Nissen fundoplication, colectomy, cholecystectomy, adhesiolysis, hysterectomy, oophorectomy, etc.

Do not use the CoolSeal® Trinity sealer/divider/dissector for tubal sterilization or tubal coagulation for sterilization procedures. The device is contraindicated for use in ENT procedures.

For further information related to warnings, cautions, and directions for use, please consult the Instructions For Use.

The CoolSeal® Reveal open sealer/divider/dissector is a bipolar electrosurgical instrument intended for use in open surgical procedures in adults and pediatrics where ligation and division of vessels, tissue bundles, and lymphatics is desired. The CoolSeal® Reveal open sealer/divider/dissector can be used on vessels (arteries and veins) up to and including 6 mm in diameter. It is indicated for use in general surgery and in such surgical specialties as urologic, thoracic, plastic, and reconstructive.

Procedures may include but are not limited to, bowel resections, gall bladder procedures, Nissen fundoplication, and adhesiolysis.

The CoolSeal® Reveal open sealer/divider/dissector is also indicated for open ENT procedures in adults (thyroidectomy, radical neck dissection, and parotidectomy) for ligation and division of vessels, lymphatics and tissue bundles 2-3 mm away from unintended thermally-sensitive structures such as nerves and parathyroid glands.

Do not use the CoolSeal® Reveal open sealer/divider/dissector for tubal sterilization or tubal coagulation for sterilization procedures.

For further information related to warnings, cautions, and directions for use, please consult the Instructions For Use.

The CoolSeal® Mini sealer is intended for use in open and laparoscopic general surgical procedures to seal blood vessels and vascular bundles up to and including 5 mm in diameter for use in adult and pediatric populations, wherever vessel ligation is required.

This device is contraindicated for use in ENT procedures. Do not use the device within 1 cm of a cochlear implant. Do not use the CoolSeal® Mini sealer for tubal sterilization or tubal coagulation for sterilization procedures. Do not use this device on vessels in excess of 5 mm in diameter.

For further information related to warnings, cautions, and directions for use, please consult the Instructions For Use.

HOLOGIC®



CoolSeal®

Vessel Sealing Reinvented.

The CoolSeal® vessel sealing portfolio of devices perform with the finesse of surgical instruments and the gold-standard efficacy of advanced bipolar vessel sealing.

HOLOGIC®

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Activation Button

- initiates sealing
- average seal time 1.4 sec¹¹
- energy delivery stops automatically when seal is complete

Rotation Knob

- continuous 360° rotation

Handle

- designed to optimize ergonomics

Cutting Trigger

- enables division of tissue

5 mm Laparoscopic Sealer/Divider/Dissector

A true all-in-one surgical instrument that keeps pace with the surgeon's procedural rhythm, creating fast, reliable seals in vessels up to 7 mm.^{9,10}

Lever

- opens and closes jaws
- surgeon-controlled, no loading springs
- latching mechanism ensures correct sealing pressure

Cord

- connects to the CoolSeal generator

CoolSeal[®]
TRINITY

5 mm shaft

- available in 3 lengths

Maryland Style Jaws

- thin, curved shape
- double-action movement

Cord

- connects to the CoolSeal generator

CoolSeal[®]
REVEAL

Rotation Knob

- rotates 335°

Fine Jaws

- thin, curved shape
- double-action movement

Activation Button

- initiates sealing
- average seal time < 1 sec¹³

10 cm shaft

- designed for improved access and visibility

Cutting Trigger

- enables division of tissue

Levers

- ergonomic, inline hemostat design

Open Sealer/Divider/Dissector

When space is limited and visibility of the surgical field is essential, the CoolSeal Reveal device is tailor-made to perform with precision, sealing vessels up to 6 mm while minimizing the thermal footprint.^{2,12}

Shaft Diameter

5 mm

Shaft Length

10 cm

Jaw Length

12 mm

Seal Length

11 mm

Cut Length

10 mm

Proven in pediatric safety

CoolSeal[®] Mini
3 mm Vessel Sealer

In 2016, the CoolSeal Mini (formerly JustRight[®] Sealer) device was the first and only 3 mm vessel sealer developed with an FDA indication for pediatric surgery.¹³

Designed for precision and maneuverability in tight spaces, the CoolSeal Mini vessel sealer is the only device of its kind, delivering safe, secure seals in vessels up to 5 mm in an average of 1.7 seconds.^{3,14}

Now we've leveraged our expertise in energy delivery to create CoolSeal: a portfolio of innovative vessel sealing instruments that minimize surgical impact, help optimize workflow and avoid potential damage to adjacent critical structures.^{8,9,10}

Shaft Diameter

3 mm

Shaft Length

20 cm

Jaw Length

10 mm

CoolSeal[®]
Energy Delivery

All CoolSeal devices are powered with the gold-standard efficacy of advanced bipolar RF vessel sealing technology. The 50W CoolSeal generator delivers precisely the power needed and automatically discontinues power when the seal is complete.

The precise energy delivery allows CoolSeal to be the only advanced Bi-Polar vessel sealing system to carry a pediatric indication for use.

CoolSeal devices produce consistently strong, secure seals in less than 1.5 seconds on average



Average seal time per device

CoolSeal Burst Pressures^{9,14}

