Optimize perfusion. Reduce leaks at the staple line.

ECHELON CIRCULAR™ Powered Stapler

Claims compared to Medtronic DST Series™ EEA™ Stapler

1 Benchtop testing in porcine tissue at 30mmHg (26mmHg average pressure experienced during intra-operative leak tests), comparing Ethicon COHESION® to Medtronic EEA2835 (p<0.001) and preclinical perfusion model in which perfusion was not significantly different between devices.
Designed for creating a secure anastomosis

Your goal: the best stapling outcomes even in the most challenging cases

Tissue tension, poor blood supply and variable tissue thickness can compromise the anastomosis and lead to significant complications. Among complications, anastomotic leaks are a dominant surgical concern due to their high mortality risk.

Two technologies only in the ECHELON CIRCULAR™ Powered Stapler

The cause of anastomotic leaks is multi-factorial, including both patient and surgical factors. With two technologies, the ECHELON CIRCULAR Powered Stapler addresses device-to-tissue interaction and device-to-user interaction to reduce leaks at the staple line without compromising perfusion.¹

Anastomotic leak rates

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Leak Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorectal resections</td>
<td>Up to 12%</td>
</tr>
<tr>
<td>Gastrectomies</td>
<td>Up to 4%</td>
</tr>
<tr>
<td>Esophagectomies</td>
<td>Up to 11%</td>
</tr>
</tbody>
</table>

¹ Benchtop testing in porcine tissue ≤30mmHg (26mmHg average pressure experienced during intraoperative leak test) comparing Ethicon CDH29P to Medtronic EEA2835 (p<0.001) and preclinical perfusion model, in which perfusion was not significantly different between devices.


Claims compared to Medtronic DST Series™ EEA™ Stapler
A better way to staple

The ECHELON CIRCULAR™ Powered Stapler is designed to reduce leaks without compromising perfusion—resulting in 61% fewer leaks at the staple line.¹

- 3D Stapling Technology evenly distributes compression²
- Gripping Surface Technology provides gentler handling with a 33% reduction in compressive forces on tissue³
- The combination of 3D Stapling Technology and Gripping Surface Technology optimizes perfusion and reduces leaks at the staple line¹

Built on a powered firing platform, the ECHELON CIRCULAR Powered Stapler has 37% less movement at the distal tip for increased stability.⁴

¹ Benchtop testing in porcine tissue ≤30mmHg (26mmHg average pressure experienced during intra-operative leak test), comparing Ethicon CDH29P to Medtronic EEA2835 (p<0.001) and preclinical perfusion model, in which perfusion was not significantly different between devices.
² Staple line analysis in benchtop testing, comparing Ethicon CDH25P to Medtronic EEA2535.
³ Benchtop testing on porcine colon, comparing Ethicon CDH29P to Medtronic EEA2835, p<0.001.
⁴ Users firing in a porcine model, comparing Ethicon CDH29P to Medtronic EEA2835, p=0.003.

Claims compared to Medtronic DST Series™ EEA™ Stapler
Combining technologies to reduce leaks

3D Stapling Technology

• Designed with offset closure of the staple legs, 3D Stapling Technology evenly distributes compression throughout the anastomosis.¹

• Reduces potential leak paths.¹

Gripping Surface Technology

• Atraumatic Gripping Surface Technology gives precise compression only where it is needed² to prepare the tissue for staple formation.

• Provides gentler handling with a 33% reduction in compressive forces on tissue.²

Powered firing platform

• Push button firing delivers 37% less movement at the distal tip for increased stability³

• Reduces force to fire by 97%.⁴

• Is designed to help minimize variation in usage and standardize performance across users

¹ Staple line analysis in benchtop testing, comparing Ethicon CDH25P to Medtronic EEA2535.
² Benchtop testing on porcine colon, comparing Ethicon CDH25P to Medtronic EEA2835, p<0.001.
³ Users firing in a porcine model, comparing Ethicon CDH25P to Medtronic EEA2835, p=0.003.
⁴ Benchtop testing, comparing Ethicon CDH25P to Medtronic EEA2835, p<0.001.

Claims compared to Medtronic DST Series™ EEA™ Stapler
A stapling solution that optimizes perfusion and reduces leaks at the staple line

The ECHELON CIRCULAR Powered Stapler is designed for creating the anastomosis in colorectal, gastric and thoracic procedures. An innovative combination of technologies enables you to reduce leaks without compromising perfusion.

61% FEWER LEAKS

A better way to staple.
Visit ethicon.com/FewerLeaks or contact your local Ethicon sales representative.

1 Benchtop testing in porcine tissue ≤30mmHg (26mmHg average pressure experienced during intra-operative leak test), comparing Ethicon CDH29P to Medtronic EEA2835 (p<0.001) and preclinical perfusion model, in which perfusion was not significantly different between devices.

For complete product details, see Instructions for Use
The third-party trademarks used herein are trademarks of their respective owners.
©2017 Ethicon, Inc. All rights reserved. 050214701803

Claims compared to Medtronic DST Series™ EEA™ Stapler