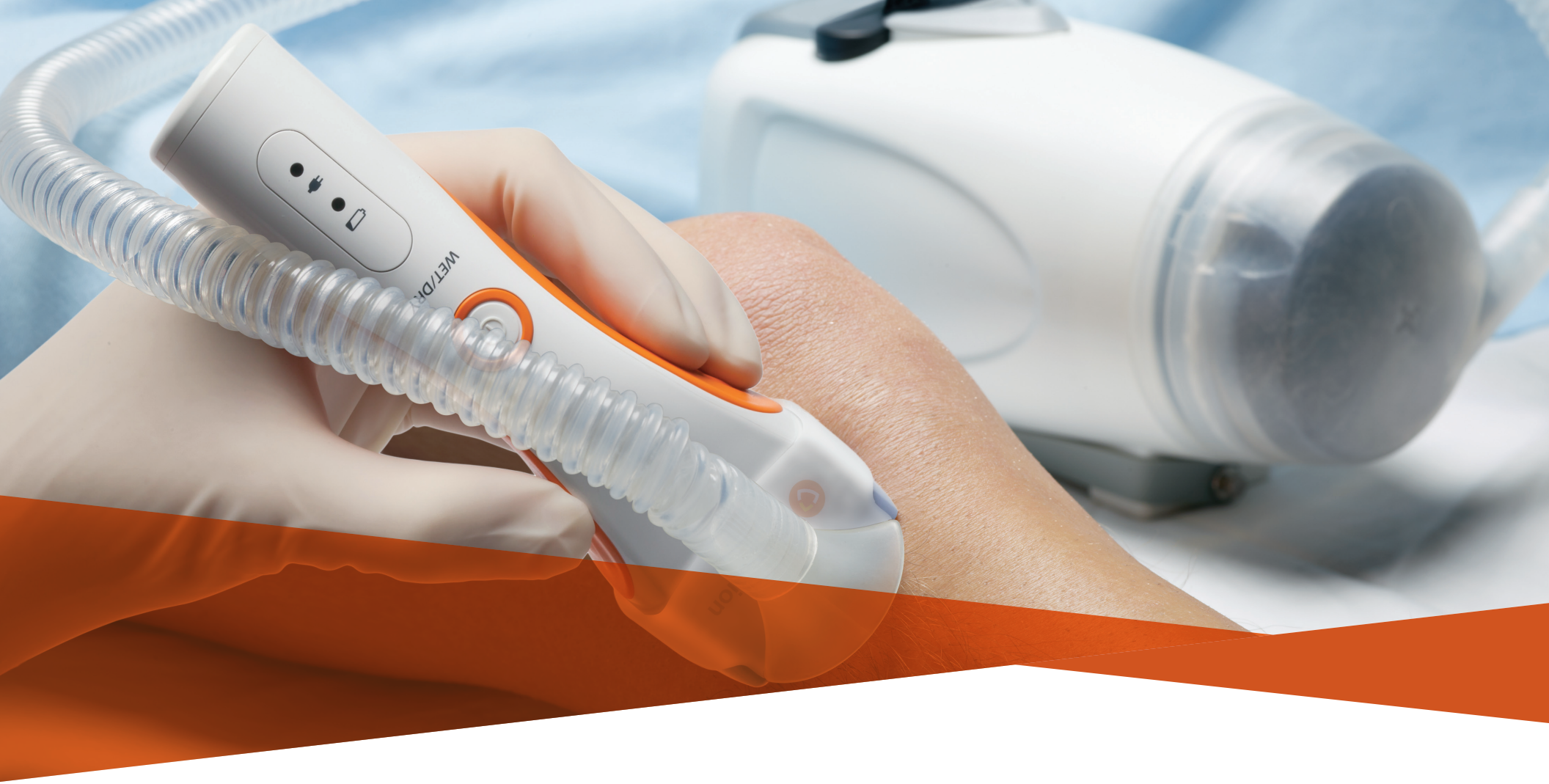


BD surgical clippers with the ClipVac™ System

A comprehensive solution for presurgical hair removal

BD

Surgical hair clipping waste: more than a mess, an infection risk

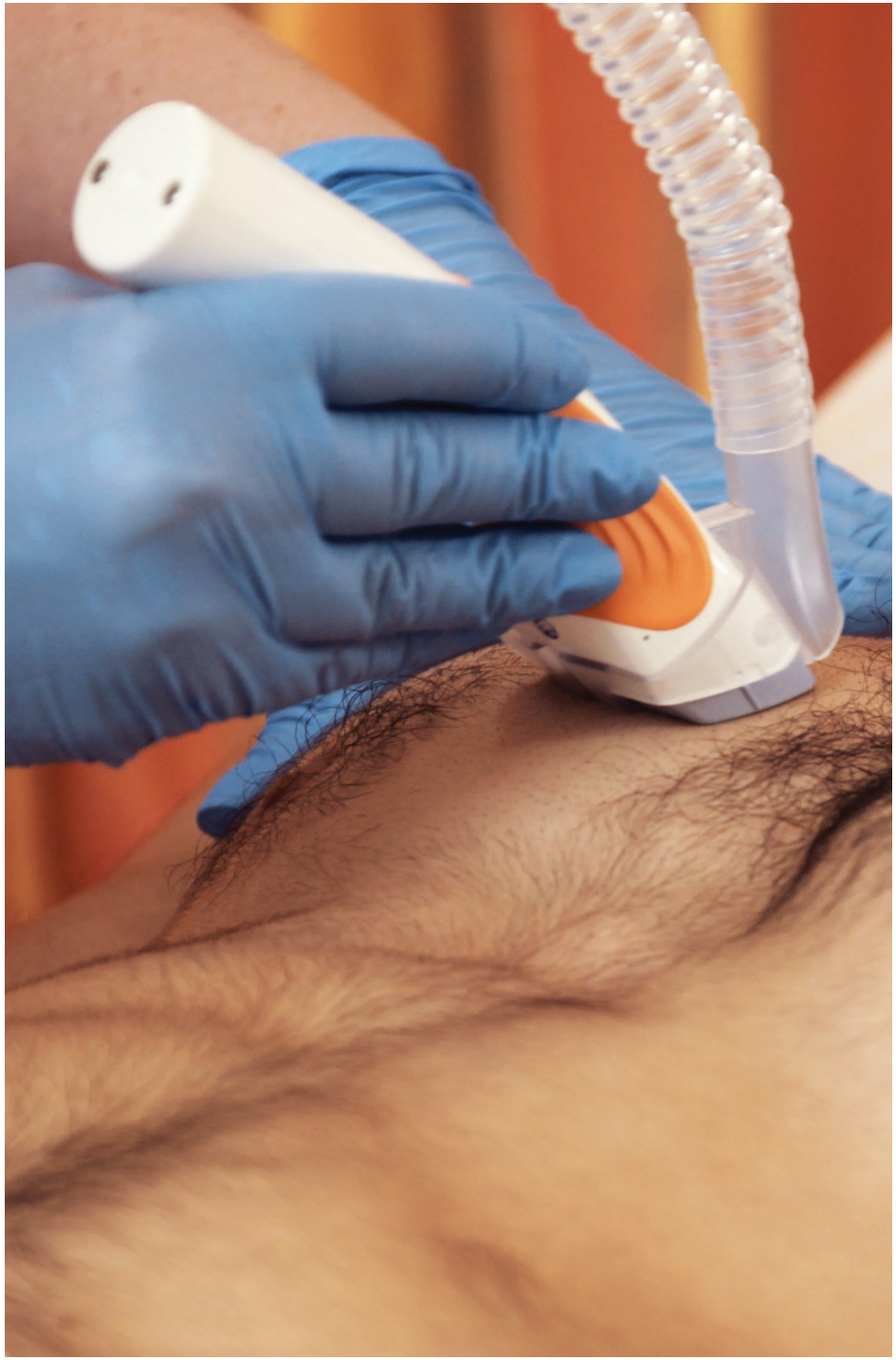
Clipping hair before surgery isn't just messy—the loose hair can increase the potential risk of contamination to your patients. Potentially contaminated hair on linens, wheels and the floor can migrate into the OR and elsewhere in the facility.

Adhesive tapes, commonly used for hair cleanup, are not sterilized or kept under controlled conditions, and may become colonized with organisms and contribute to HAIs.[1] The same rolls are frequently used on multiple patients, often containing hair from previous patients.

AORN guidelines recommend that body hair be removed when it may interfere with surgery, and that hair removal should limit particle dispersion.[2]

Choose performance that's clear-cut

The ClipVac™ System works together with our surgical clippers to provide a comprehensive, one-step, presurgical hair removal system that saves valuable patient-prep time and may help reduce the risk of patient complications.



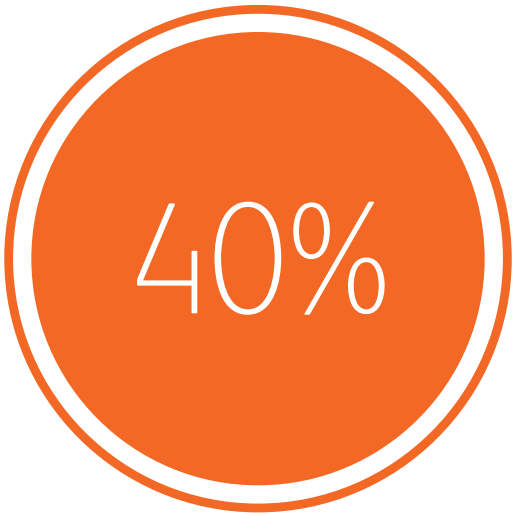
Surgical clippers and the ClipVac™ System: proven to enhance OR efficiency[3]

A recent study compared the removal of dispersed hair using standard surgical clippers with surgical tape vs clippers fitted with the ClipVac™ Hair Removal System. The study assessed clipping duration and the amount of loose hair and microbial contamination following clipping.

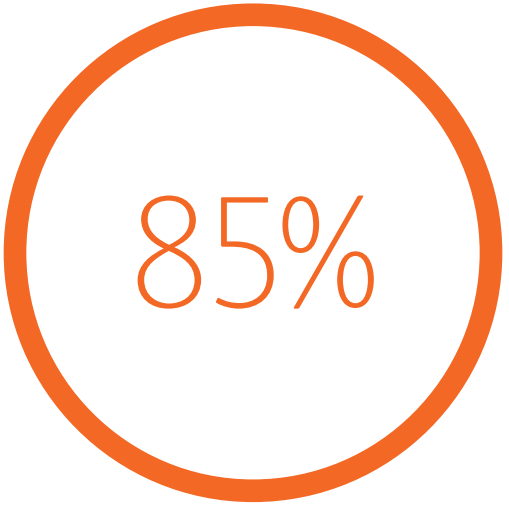
Faster clipping and cleanup time: Using BD clippers with the ClipVac™ System resulted in an average of 40% faster clipping and cleanup time compared to clippers and adhesive tape.

Reduced contamination: Using clippers and the ClipVac™ System significantly reduced the amount of microbial contamination, by an average of 85%, compared to clipping and tape cleanup.*

Less residual loose hair: Clipping with the ClipVac™ System was highly effective in reducing the dispersion of contaminated hair fibers within areas adjacent to the skin-prep site vs clipping followed by tape cleanup.†



Faster clipping and cleanup



Reduced contamination

Notes:

* Results were measured by $\log_{10}$ clinical forming units (CFU) as recovered from comparative chest sites and groin sites following clipping.

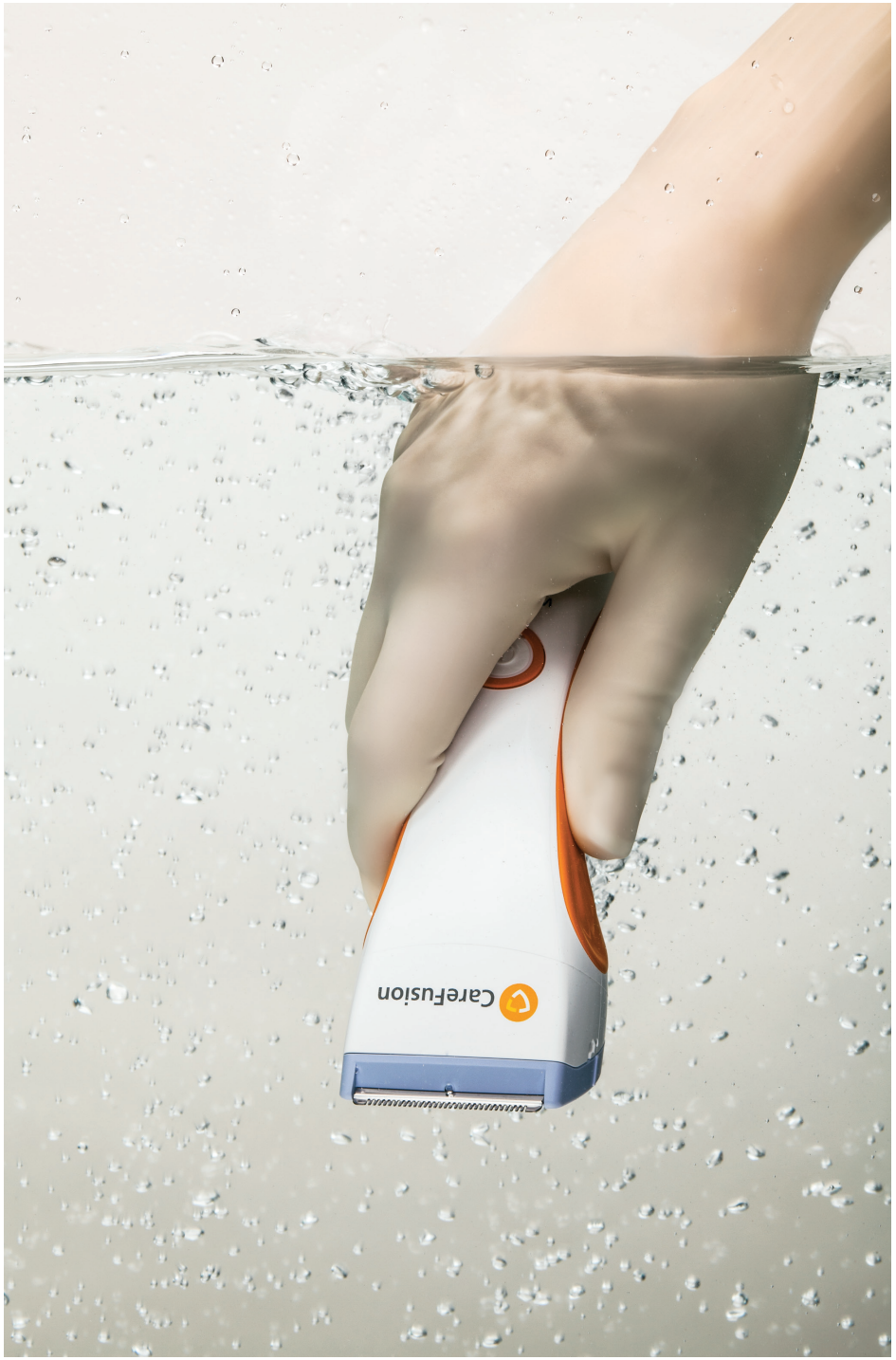
† The mean weight of recovered hair from beneath the test site for the combination of clipping and tape was 0.212 g, while the mean weight of hair recovered from beneath the ClipVac™ System was 0.003 g.

Choose our surgical clippers for efficient, high-performance clipping

Our durable, efficient clippers support patient preoperative hair removal in a single pass and minimize the risk of compromising the skin. Our clippers remove more hair per second than competitors in internal laboratory tests, saving valuable OR patient-prep time.

Additionally, our clippers provide:

- A close cut while maintaining skin integrity
- A 40° angled, ergonomic handle, allowing seamless preoperative hair removal
- Usability in either wet or dry clipping conditions
- The only IXP-7 waterproof-rated clippers for submersibility, to support thorough cleaning and disinfecting*
- Lithium-ion battery technology to facilitate longer runtime and improve energy efficiency
- Battery-life and charging indicators that alert clinicians to charge level†
- Choice of three blades for a variety of procedures



Notes:

* Clippers can be submersed up to 1 meter in depth for up to 30 minutes.

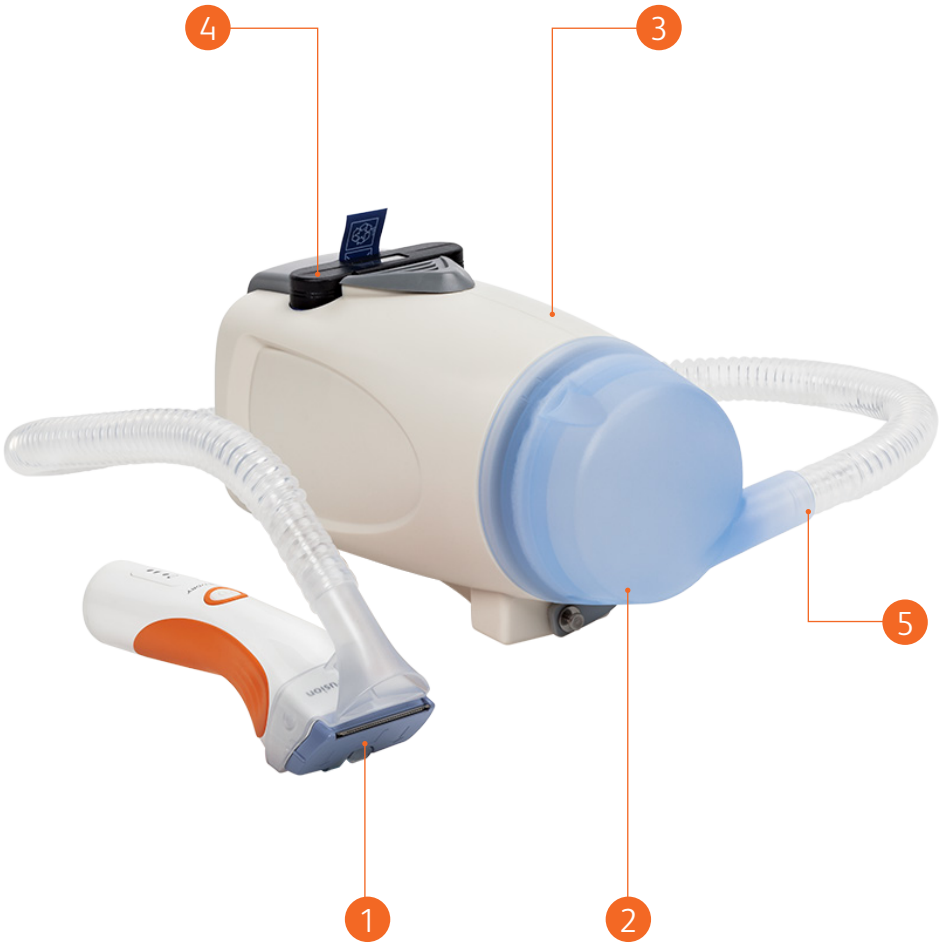
† To reduce energy use, it is recommended that clinicians unplug the charger from a power source when the solid orange light is no longer illuminated, indicating the device is fully charged.

ClipVac™ System let's you clip hair and clean it up, all in one step

The ClipVac™ System captures an average of 99% of hair and airborne contaminants at the source, eliminating the need for extra cleanup with messy tape or mitts.

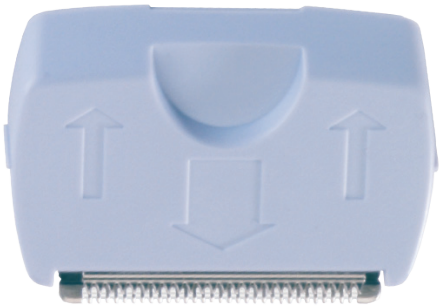
The ClipVac™ System features a small, portable vacuum with a single-use, vacuum-tip suction port and a filtered reservoir for the captured hair. The vacuum tip suction port and reservoir are disposed of after each use, reducing the risk of cross-contamination.

1. The vacuum-tip suction port attaches exclusively to our surgical clippers and is designed to promote proper clipping techniques.
2. The surgery-grade disposable filter captures clipped hair and debris down to 0.3 µ, at the source.
3. The lightweight *(less than 2 lbs)* promotes portability and maneuverability.
4. The rechargeable battery maintains a constant 16,000 RPM throughout the 75 minutes of continuous runtime and can be fully charged in 4 hours.
5. The tubing and suction port are completely recyclable and the single-use filter can be placed in general waste after use.



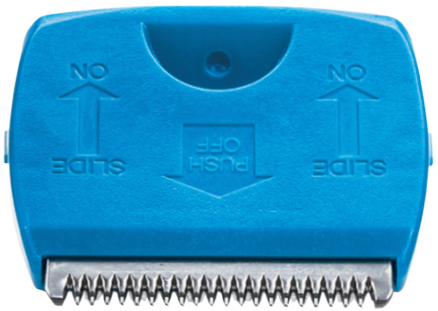
BD offers three blade options for presurgical hair removal

Designed for a variety of procedures, each blade provides a close cut while maintaining skin integrity



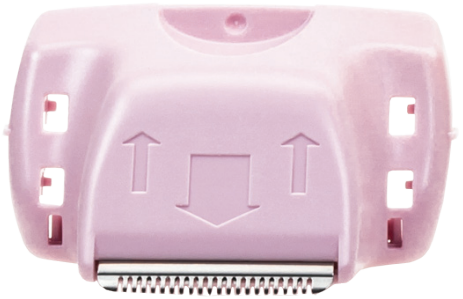
General purpose blade

Provides a versatile, effective solution to quickly remove all types of body hair with a cut that's similar to a razor.



Neuro blade

Designed for fast, convenient removal of thick hair on the scalp, usually in a single pass for a lower chance of skin irritation.



SensiClip™ Blade

Ideal for sensitive and hard-to-reach areas, the unique SensiClip™ Blade is designed to optimize maneuverability, ease-of-use and safety.

Ordering information

Cat. no.	Description
5513E	Surgical clipper
5514A	Surgical clipper charger
4406	General purpose blade *(50 per cs.)*
4403A	SensiClip™ Blade *(20 per cs.)*
4412A	Neuro blade *(20 per cs.)*
5500E	ClipVac™ System vacuum unit
5505	ClipVac™ System battery
5506A	ClipVac™ System charge adapter with cord and battery
5575	ClipVac™ System disposables for clipper 5513E *(newer model)*

To place an order or for more information, please contact your BD sales representative or visit **bd.com/ClipVac**

References
1 Redelmeier, DA, Livesley NJ. Adhesive tape and intravascular-catheter-associated infections. *J Gen Intern Med*. 1999;14(6):373-375. **2** AORN. *AORN Guidelines for Perioperative Practice*. 2015. Retrieved on May 20, 2016 at https://www.aorn.org/guidelines **3** Edmiston CE Jr, Griggs RK, Tanner J, Spencer M, Seabrook GR, Leaper D. Perioperative hair removal in the 21st century: utilizing an innovative vacuum-assisted technology to safely expedite hair removal before surgery. *Am J Infect Control*. 2016;44(12):1639-1644.

BD, Vernon Hills, IL, 60061, U.S.

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