

Smoke safety just got a little simpler.^{†,‡,§,1}

The Valleylab™ SM smoke management pencil[∞] has a number of features that simplify surgical smoke removal, including:



†17 out of 17 surgeons agreed.

‡16 out of 17 surgeons agreed.

§17 out of 17 OR staff agreed

¶14 out of 17 surgeons agreed.

¶Cable is integrated for the first three feet.

#Compared to Valleylab™ smoke evacuation rocker switch pencil, Edge™ blade electrode.

Δ15 out of 17 surgeons agreed.

∞Licensed as Valleylab Sm Smoke Management and Accessories.

A complex problem.

The dangers of surgical smoke

With every surgery, you and your team work tirelessly to protect patients. But taking care of patient health shouldn't mean sacrificing your own. Protecting yourself starts with understanding the risks of surgical smoke.

The daily amount of surgical smoke is equal to 27-30 unfiltered cigarettes ^{†,5}	Laser plume contains 150+ hazardous chemicals ⁶	Nurses exposed to surgical smoke experience 2X more respiratory issues than the general population ^{‡,7}
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Ordering information

Order code	Material description	Units per box
Sterile		
VSMP10	Valleylab™ SM smoke management extended nozzle with Edge™ electrode, 10 ft	20
VSMP15	Valleylab™ SM smoke management extended nozzle with Edge™ electrode, 15 ft	20
Extended nozzles		
VSMEN4	Valleylab™ SM smoke management extended nozzle, 4-inch	80
VSMEN6	Valleylab™ SM smoke management extended nozzle, 6.5-inch	80

VSMEN4 is designed for use with electrodes approximately 100 mm (4 in) in length.
VSMEN6 is designed for use with electrodes approximately 165 mm (6.5 in) in length.



VSMEN4



VSMEN6



†Average based on 44 operating days in a single elective plastic surgery theatre where porcine tissue was subject to electrocautery tissue ablation. Results may not be indicative of the average operating theatre.

‡Most frequently reported respiratory symptoms include nasal congestion, coughing, allergies, sinus infection/problems.

1. Based on internal test report #RE00507394, Valleylab™ smoke management pencil (VSMPXX) marketing claims testing report. July 12-19, 2023.
2. Based on internal test report #RE00486994, Valleylab™ smoke management pencil (VSMPXX) marketing claims testing report. December 6-7, 2023.
3. ASSY, VSMP1X
4. Based on internal test report #RE00460034, SPD-88 report surgeon summative Lucky Strike. July 12-19, 2023.
5. Hill DS, O'Neill JK, Powell RJ, Oliver DW. Surgical smoke - a health hazard in the operating theatre: a study to quantify exposure and a survey of the use of smoke extractor systems in UK plastic surgery units. *J Plast Reconstr Aesthet Surg.* 2012;65(7):911-916.
6. Pierce JS, Lacey SE, Lippert JF, Lopez R, Franke JE. Laser-generated air contaminants from medical laser applications: a state-of-the-science review of exposure characterization, health effects, and control. *J Occup Environ Hyg.* 2011;8(7):447-466.
7. Ball K. Surgical smoke evacuation guidelines: compliance among perioperative nurses. *J AORN.* 2010 Aug;92(2):e1-e23.