

finalist
of the competition



2016

ergo Lance

ergonomy and precision

SINGLE-USE MEDICAL DEVICES, STERILE SAFETY LANCETS

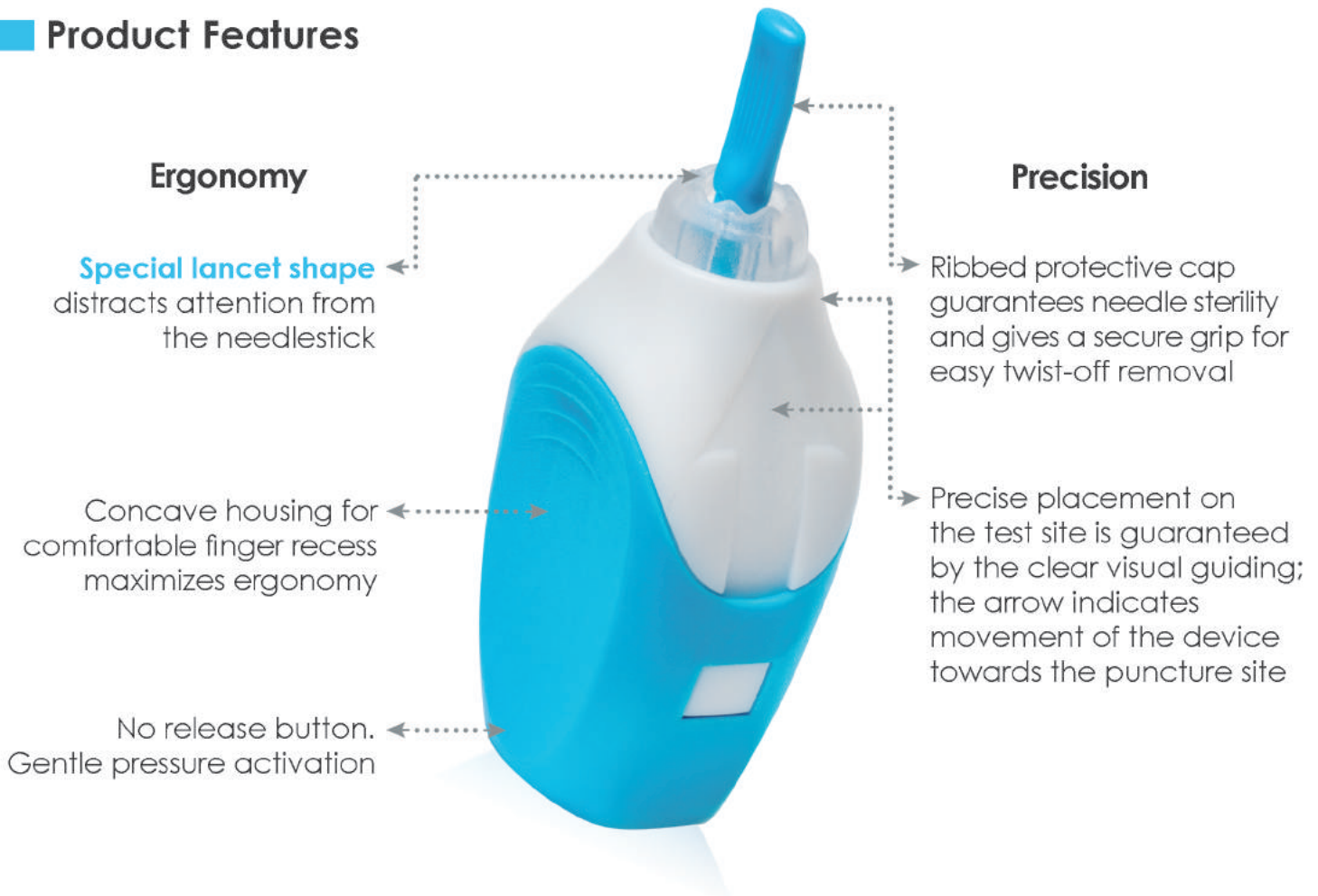
designed for capillary blood sampling
from the fingertip



Product intended use

ergoLance are sterile, single-use devices designed for the sampling of capillary blood from the fingertip of patients, mainly for blood glucose determination. Intended users are healthcare professionals in secondary care and primary care such as doctor's offices. The device is also intended to be used by non-clinical users - patients.

Product Features



Sharps injury - facts

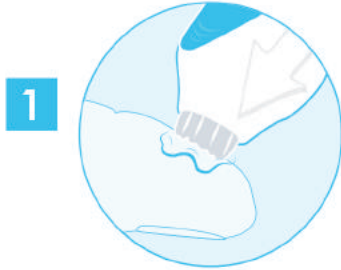
Over 80% of needlestick injuries can be prevented with the use of safe needle devices, which, in conjunction with worker education and work practice controls, can reduce injuries by over 90%!*

HTL-STREFA is committed to manufacturing safety products designed to reduce or eliminate the risk of exposure to blood-borne pathogens.

By using safety lancets, needlestick injuries and infections can be minimized.

**The WHO estimates based on CDC Report*

Pain perception mechanism



1

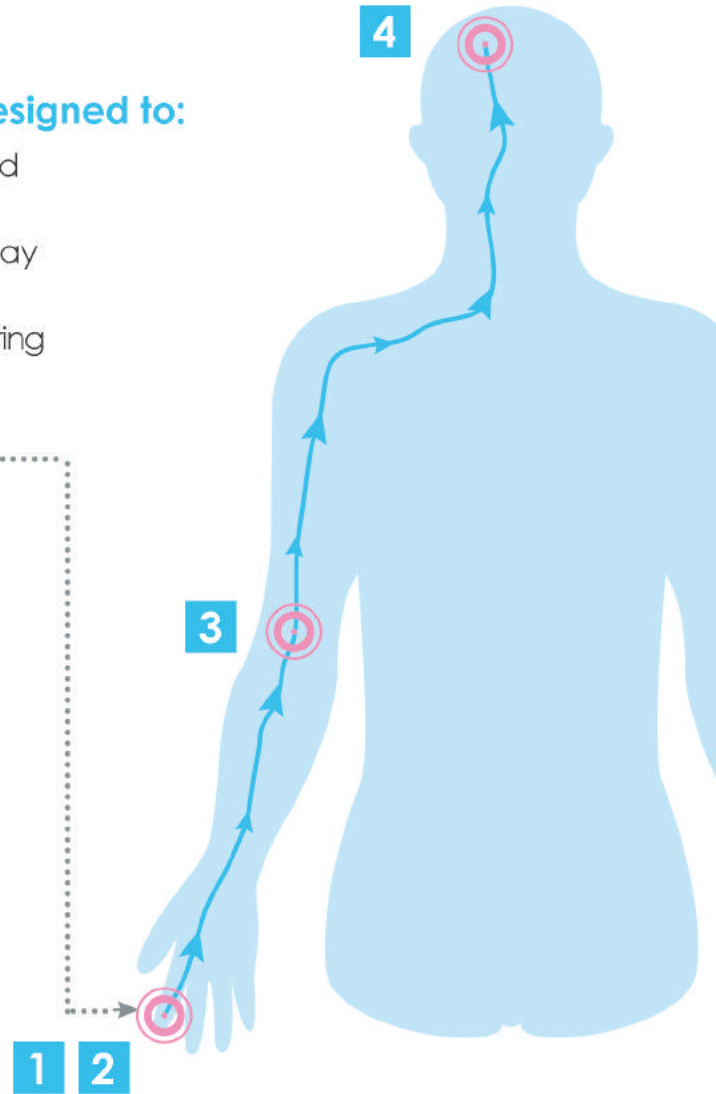
Special lancet shape designed to:

- apply gentle pressure around the puncture site
- distract brain's attention away from the needlestick
- increase patient's comfort during blood sampling

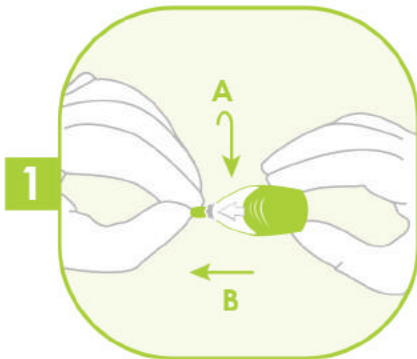
2 Needlestick activates pain receptors

3 A mixed signal is passed to the brain

4 **Pain message** perceived by a patient is distracted thanks to the **special lancet shape**

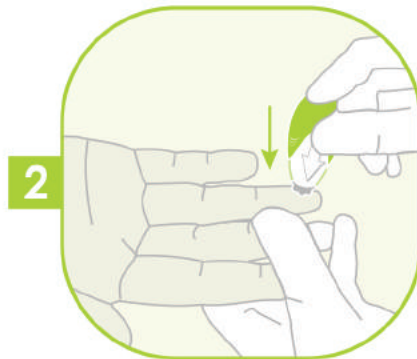


How to use ergoLance - clinical users



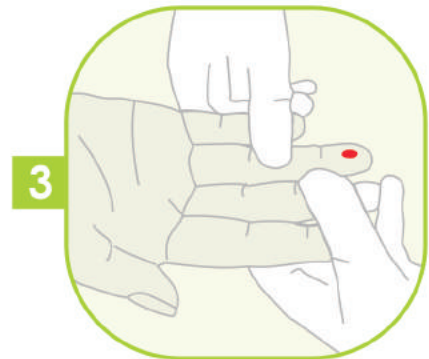
1

Twist off the protective cap and pull it straight out.



2

Press the **ergoLance** body firmly against the puncture site to activate the device.



3

Gently apply intermittent pressure near the puncture site to obtain the required blood volume.

Contact activated safety lancet **ergo lance** has a unique design solution which enables lancet activation by simply pushing the lancet against the finger.

Available in three versions

	Product Version	Penetration depth
	ergo lance Micro Flow 30G needle	1.5 mm
	ergo lance Normal Flow 25G needle	1.8 mm
	ergo lance High Flow 21G needle	2.0 mm

References:

1. Directions for safety lancets development based on nurses' needs; Poland, June 2016, HTL-STREFA S.A. data on file
2. <https://www.osha.gov/needlesticks/needlefaq.html>
3. Mary Foley, MS, RN, Annemarie T. Leyden, EdD, RN; American Nurses Association – Independent Study Module Needlestick Safety and Prevention; http://www.who.int/occupational_health/activities/1anaism.pdf
4. A. Vania Apkarian , M. Catherine Bushnell, Rolf-Detlef Treede, Jon-Kar Zubieta: Human brain mechanisms of pain perception and regulation in health and disease; European Journal of Pain 9 (2005) 463–484
5. Ruscheweyh R, Kreusch A, Albers C, Sommer J, Marziński M: The effect of distraction strategies on pain perception and the nociceptive flexor reflex (Rfll reflex). Pain. 2011 Nov;152(11):2662-71. doi: 10.1016/j.pain.2011.08.016. Epub 2011 Sep 16

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