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**neoheel™**  
**Safety Lancets**



# NEOHEEL™ SAFETY LANCETS

The neoheel™ safety lancet is used to collect quality blood samples from infants following their birth. These blood samples are used to perform metabolic screening, as well as testing for glucose, complete blood count and haematocrit.

## PRECISION

The high speed sweeping motion of the stainless steel micro-blade is directed to a preferred 1 mm depth<sup>1</sup> just above where most nerve fibers are located.

Neoheel™ is available in four configurations which are based on the baby's development level. The incision depth and length are optimised by baby weight to produce a high quality sample with less pain<sup>3,4</sup> and less trauma to the infant's delicate tissues and nerve endings.

## REDUCED HEMOLYSIS

The use of an automated spring loaded lance allows for collection of blood specimens with smaller levels of plasma hemoglobin<sup>2</sup>.

The safety lancet showed less bruising<sup>4</sup>, and required less punctures to obtain sufficient volumes of blood<sup>3</sup>. In addition, the arc shaped design reduces the number of heel puncture sites, time taken to complete test on a newborn and time the baby cried<sup>4</sup>.

## SAFETY

The integral safety tab prevents premature activation while avoiding additional loose parts. The neoheel™ lancet textured sides provide a secure grip to help prevent the need for a second heel stick. The micro-blade instantly retracts to a permanently locked position to prevent accidental needle stick injury.



Release the integrated safety tab to unlock the trigger.



Depress the trigger to activate blade. The safety tab does not detach from the device, so no loose parts to misplace around the infant.

## ORDERING INFORMATION

neoheel™ Safety Lancets				
				
	Micro-Preemie Low birth weight <1kg	Preemie Low birth weight 1-2.5 kg	Newborn Birth-6 months 2.5-9 kg	Toddler 6-24 months >9 kg
Item Number	1050M	1051P	1052N	1053T
Incision depth	0.65 mm	0.85 mm	1.00 mm	2.00 mm
Incision length	1.4 mm	1.75 mm	2.5 mm	3.00 mm
Blood volume	Medium	Medium	Medium	High
Packaging	One case contains 4 shelf boxes of 50 units, 200 units total			

### References:

1. Cavanagh C. Newborn blood spot sampling. Infant 2009;5(3):168-171
2. Kazmierczak SC et al. Comparison of hemolysis in blood samples collected using an automatic incision device and a manual lance. Arch Pediatr Adolesc Med. 2002;156:1072-1074
3. Vertanen H. et al. An automatic incision device for obtaining blood samples from the heels of preterm infants causes less damage than a conventional manual lancet. Arch Dis Child Fetal Neonatal Ed. 2001;84(1):F53-5
4. Glenesk A. et al. Blood spot testing: comparing techniques and automated devices. British Journal of Midwifery 2006 Feb;14(2):96-99

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