

# BD Quikheel™ Lancet

## The Quikheel Advantage



Indispensable to human health

### ▶ The Evolution of Heel Sticks:

1991

Present

#### ▶ NCCLS Guidelines



##### Procedures for the Collection of Diagnostic Blood Specimens by Skin Puncture\*

- **Section 9.0** *Techniques for Puncturing the Skin*
- **Section 9.1** *Depth:* In small premature infants, the heel bone (calcaneus) may be no more than 2.4mm beneath the plantar heel skin surface and half this distance at the posterior curvature of the heel. Puncturing deeper than 2.4mm on the plantar surface of the heel of small infants may therefore risk bone damage.
- **Section 9.2** *Blood Vessel Location:* The major blood vessels of the skin are located at the dermal-subcutaneous junction, which in the newborn's heel is 0.35 to 1.6mm beneath the skin surface. Therefore, even in the smallest infant, a puncture 2.0 to 2.4mm deep on the plantar surface of the heel will penetrate the major skin vasculature and not risk puncture of the bone.

\*NCCLS Document H4-A3, Vol.II No. II, July 1991

### ▶ The BD Solution:

#### BD Safety Flow™ Yellow Lancet



- Type of Device – Puncture Technology
- Depth – 2.2mm
- Width – 1.0mm
- Blood Volume – High
- Meets 1991 NCCLS Guidelines – **YES**

##### Procedures and Devices for the Collection of Diagnostic Blood Specimens by Skin Puncture; Approved Standard – Fourth Edition\*

- **Section 9.0** *Skin Puncture Techniques*
- **Section 9.1** *Depth:* In small or premature infants, the heel bone (calcaneus) may be no more than 2.0mm beneath the plantar heel-skin surface and no more than half this distance at the posterior curvature of the heel. Puncturing deeper than 2.0mm on the plantar surface of the heel of small infants may therefore risk bone damage.
- **Section 9.2** *Blood Vessel Location:* The major blood vessels of the skin are located at the dermal-subcutaneous junction, which in the newborn's heel is 0.35 to 1.6mm beneath the skin surface. Therefore, even in the smallest infant, a puncture 2.0mm deep on the plantar surface of the heel will penetrate the major skin vasculature and not risk puncture of the bone.

\*NCCLS Document H4-A4, Vol.19 No.16, September 1999

#### BD Quikheel™ Lancet



- Type of Device – Incision Technology
- Depth – 1.0 mm
- Width – 2.5 mm
- Blood Volume – High
- Meets Fed OSHA Standards – **YES**
- Meets 1999 NCCLS Guidelines – **YES**

# BD Quikheel™ Lancet

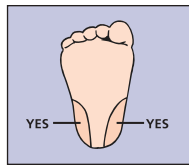
## Ease of Use

- Tapered Contact Surface provides better visibility of site location
- Finger Contoured Design provides a steady and stable grip
- Color Coded for easy selection
- Instant Trigger Action eliminates the need for safety tabs to prevent blade release

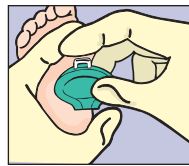
## Patient Comfort and Safety

- Extra Thin Surgical Steel Blade provides the finest, cleanest surgical incision
- Permanently Retractable Blade minimizes possible injury or reuse
- Consistent Depth and Width of Incision provides desired blood flow

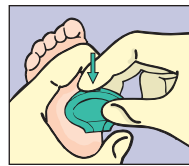
## Performing a Heel Stick



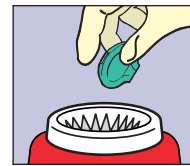
Select a site identified in the colored area above. Cleanse site thoroughly with alcohol. (70/30 by volume, 70%). Allow skin to air dry.



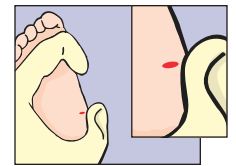
With a gloved hand, place the **BD Quikheel Lancet** against the site with the Quikheel logo facing you. Place the blade slot area securely against the heel. The incision can be placed at a 90° angle to the length of the foot or parallel to the length of the foot.



Firmly and completely depress the trigger with your index finger.



After triggering the lancet, remove the lancet and discard it into a biohazard sharps container.



Gently wipe away the first drop of blood with sterile gauze or cotton ball. Apply gentle pressure with the thumb and ease intermittently as drops of blood form. Be sure to apply pressure such that the incision is opened.



Description	Purpose	Depth	Width	Packaging
BD Quikheel™ Preemie Lancet Reference# 368100	PKU Card Filling BD Microtainer™ Tubes	0.85mm	1.75mm	50/box, 200/case



BD Quikheel™ Infant Lancet Reference# 368101	PKU Card Filling BD Microtainer™ Tubes	1.0mm	2.50mm	50/box, 200/case
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**\*Ask your BD representative about the BD Genie™ Purple Lancet (Reference# 366579) for those tests on infant heels that only require one drop of blood.**

BD Vacutainer Technical Services: **1.888.631.0174**  
 BD Customer Service: **1.888.237.2762**  
[www.bd.com/vacutainer](http://www.bd.com/vacutainer)



**BD Vacutainer Systems**  
**Preanalytical Solutions**  
 1 Becton Drive  
 Franklin Lakes, NJ 07417