



Office of Laboratory Safety Guidelines:
Safety Engineered Sharps



What is a safety engineered sharp?

The U.S. Occupational Safety and Health Administration (OSHA) defines a safety-engineered sharp as a non-needle sharp or needle device with a built-in safety feature or mechanisms that effectively reduces the risk of an exposure incident.” Examples of safety-engineered sharps include: syringes with guards or sliding sheaths, retractable needle systems, and shielded or retracting scalpels.

When should I use a safety-engineered sharp?

Ideally, principal investigators (PIs) should eliminate the use of sharps whenever possible and where safe and effective alternatives are available. However, when elimination of sharps is not feasible, safety-engineered sharps devices should be utilized whenever possible to reduce the risk of exposure to potentially infectious materials or hazardous chemicals.

SLIDING SLEEVE SYRINGES:



BD Safety-Lok™ Syringes:

- needle retracts and locks into protective sleeve after use
- available in 1, 3, 5, and 10ml sizes



BD Disposable Luer-Lok™ Syringes

- provides secure connection to prevent needle from detaching mid-injection
- available in wide variety of sizes including 1ml

PROTECTIVE SHEATH and RETRACTABLE NEEDLES:



BD SafetyGlide™ Needles

- Needle-tip shielding activation-assist technology incorporated into needle
- Available in a variety of needle sizes



BD Eclipse™ Needle

- pivoting shield mechanism; single finger stroke activation
- available in 18, 21, 22, 23 and 25G needles of varying length



Megellan™ Safety Needle

- Integral needle-based safety device
- locked position completely covers entire needle
- available in 18 - 25G needle sizes



VanishPoint® Syringes

- full depression of plunger activates needle retraction
- available in 3, 5 and 10ml syringes with variety of needle gauges and lengths



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SAFETY NEEDLES: BLUNT; TRANSFER



SOL-M Blunt™ Fill Needles

- has a 45 degree bevel to help reduce needle stick accidents.
- needle allows easy drawing and mix of viscous medications
- have a low penetration force for ease of use.

MONOJECT™ Blunt Needle Cannula

- Stainless steel construction.
- Provides the look and feel of standard hypodermic needles without the risks
- Designed with a Luer lock connection
- Autoclavable

SAFETY BLOOD COLLECTION DEVICES



Magellan™ Safety Blood Collection Device

- Available with either a 21 G or 22 G blood collection needle with integral needle-based safety device



VanishPoint® Blood Collection Tube Holder

- compatible with standard blood collection needles
- closing cap retracts needle directly from patient

RETRACTABLE SCALPELS



DeRoyal Disposable Safety Scalpels

And Futura™ Safety Scalpel

- Blades retract into handle



Bard-Parker™ Protected Disposable Scalpel

- Sheath covers blade until you slide it out of the way

NEEDLE UNCAPPER & RECAPPER



Needle Safe II Needle Uncapper, Recapper & Syringe Holder

- Single-handed needle uncapper, recapper and syringe holder
- Universal gripper core inside assembly securely grips needle caps for quick, single-handed uncapping, recapping and safe disposal.

ADDITIONAL RESOURCES:

International Sharps Prevention Society—Safety Product List:

http://www.isips.org/page/safety_product_list

University of Virginia Health System—Safety Device List:

<http://www.healthsystem.virginia.edu/pub/epinet/new/safetydevice.html>