

FACT SHEET

Examples of Sharps Protection

Sharps protection is available in research and clinical settings to prevent injuries that occur before, during and after use through substitution/elimination of sharps, sharps with built-in safety engineering controls or personal protective equipment. Example devices are listed below, and many other options are available.

Choose safer alternatives for your research today to reduce your risk of injury!

Examples of Safer Needles & Syringe Systems

Safer needles and syringe systems have a single-handed activation mechanism to retract or shield the needle and prevent accidental needle puncture. Manual and automatic activation options exist. Multiple sizes are available (18G to 30G).

Type	Product Name	Manufacturer	Vendor	Catalog No.
Self-sheathing	SafetyGlide Needles	BD Diagnostic Systems	Fisher Scientific	14-826-106
Self-sheathing	Monoject Magellan Needles	Covidien	Fisher Scientific	22-256-551
Retractable	Integra Needle and Syringe	BD Diagnostic Systems	Fisher Scientific	14-823-52
Retractable	VanishPoint 1ml U-100 Insulin	Retractable Technologies	Medline	RTI10211
Safer Needle	Vacutainer Push Button Blood Collection Set	BD Diagnostic Systems	Fisher Scientific	23-021-023
Safety Lancet	Safety Lancet	MediPurpose	Fisher Scientific	22-000-100

Examples of Blunt Needles & Cannulas

Blunt-fill needles or plastic needleless access devices blunt or remove the needle to create a safer device that requires at least 10× greater force to penetrate human skin. They can be used to puncture tubing, penetrate rubber septa, homogenize tissues, flush bone marrow or deliver fluid. Multiple sizes are available (18G to 30G).

Type	Product Name	Manufacturer	Vendor	Catalog No.
Blunt Needle	Monoject Blunt Cannula	Covidien	VWR	53498-484
Blunt-fill Needle	Vacutainer General Use Syringe Needle	BD Diagnostic Systems	Fisher Scientific	23-021-020
Needleless Device	Interlink Vial Access Cannula	BD Diagnostic Systems	Fisher Scientific	13-689-7C

Examples of Safer Blade Devices

Exposed blades present a sharps injury risk. Safer blade devices use a manual mechanism to retract or shield the blade. Multiple sizes are available (no.2 to no.25).

	Product Name	Manufacturer	Vendor	Catalog No.
Retractable Scalpel	Retractable Sheath Scalpel	Market Lab	Fisher Scientific	NC9835189
Retractable Scalpel	Safety Scalpel	Cincinnati Surgical	Cincinnati Surgical	06S10
Safer Razor Blade	Klever Konzept	Klever Innovations	Safety Cutter	SC-KK-201-L

Examples of Plastic Alternatives

Glass items present a hazard if broken. Substitute glass with plastic alternatives whenever feasible.

Type	Product Name	Manufacturer	Vendor	Catalog No.
Plastic Pipet	Costar Disposable Aspirating Pipet	Corning	Fisher Scientific	07-200-830
Plastic Pipet	Plasteur Plastic Pasteur Pipet	Celltreat	Celltreat	229274
Plastic Hemocytometer	C-Chip Disposable Hemocytometer	INCYTO	Fisher Scientific	22-600-100
Plastic Cover Slip	Disposable Cover Slips	Fisher Scientific	Fisher Scientific	S17525C
Plastic Capillary Tube	Innovative Med Tech Plastic Capillary Tubes	Innovative Medical Technologies Inc.	Fisher Scientific	22-757-116
Aspiration Flask	M-Vac Waste Aspiration System (with quick release couplings)	Argos Technologies	VWR	10141-552
Aspiration Flask	Nalgene Heavy-Duty Vacuum Bottles and Quick-Filling Closures	Thermo Scientific	Fisher Scientific	02-923-5 and 02-92-319

*If fine tips are needed for aspiration, consider using combinations of aspirating pipettes (or P1000 tips) and finer disposable (non- filtered) pipette tips (P200), which can be changed to prevent cross-contamination.

Examples of Special PPE

Type	Product Name	Manufacturer	Vendor	Catalog No.
Needle Stick Gloves, Sleeves & Aprons	TurtleSkin Safety PPE	Warwick Mills	Various Distributors	Various Models
Metal Mesh Gloves	Whizard Stainless Steel Mesh Gloves	Wells Lamont	VWR	80091

Additional Resources

- OSHA's Safer Sharps: <https://www.osha.gov/SLTC/etools/hospital/hazards/sharps/sharps.html>
- CDC Stop Sticks Campaign: <http://www.cdc.gov/niosh/stopsticks/>
- International Sharps Injury Prevention Society: <http://www.isips.org>