



 Medication preparation | **Medication delivery** |  Sharps disposal

Cardinal Health™ Monoject™ Sharps Safety Products

Insulin pen needles provide confident diabetes management



Insulin pen needles provide a convenient and safe choice for clinicians and a comfortable experience for patients or residents with diabetes. The Cardinal Health™ Monoject™ Safety and Standard Needles feature a shorter needle length to enable injection into the subcutaneous layer of the skin to avoid intramuscular injection and help prevent the risk of hypoglycemia.¹

Patients can feel more secure self-injecting at home using a simple technique and clinicians can feel greater confidence that their treatment plan is easy for their patients to follow.²



Prioritizing safety for clinicians and their residents

Build confidence in your sharps safety program by understanding the risks of needle stick injuries (NSIs) and selecting products engineered for safety with OSHA-recommended controls.

Needlestick injuries (NSI) are:



Dangerous

NSIs increase the risk of over 20 types of infectious diseases, including hepatitis B, hepatitis C and HIV.³



Costly

One severe exposure incident has an estimated cost of \$5,140.^{4*}



Preventable

Up to 88% of sharps injuries can be prevented by choosing safer medical devices.⁵

The first step in reducing NSIs is selecting products that follow OSHA's recommended design characteristics for safety needs.

- ✓ Integrated safety mechanism
- ✓ Single-handed activation
- ✓ User's hand remains behind needle
- ✓ User can more easily tell if safety feature has been activated
- ✓ Safety feature remains in effect throughout use and after disposal
- ✓ Intuitive; requires little or no training

*Adjusted to 2023 dollars based on U.S. Bureau of Labor Statistics Medical Care Consumer Price Index data.

Balance safety and control during insulin delivery

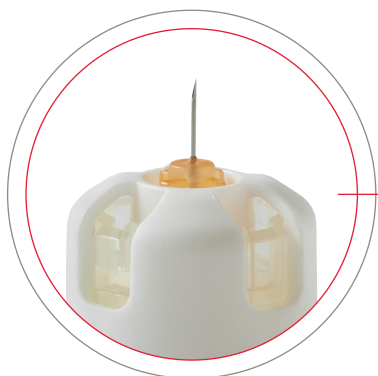
Cardinal Health™ Monoject™ Safety Pen Needle

Your residents deserve a pen needle that offers both safety and control to make injections easier than administering with vials and syringes. Traditional pen needles that rely on a safety mechanism may prematurely activate before the complete dose of insulin is given. Concealed needles also make it challenging to confirm the medication was properly administered.

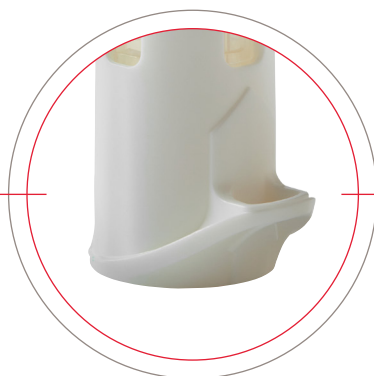
Cardinal Health™ Monoject™ Safety Pen Needles are designed to keep both residents and clinicians safe and in control — from needle preparation to disposal.



Control features:



Visible needle helps confirm the full dose has been administered



Manual push tab allows for one-handed activation of the safety mechanism



Safety guard covers needle on both ends to help prevent needlestick injuries and bloodborne pathogens¹

Safety features:



Shorter needle length options help promote consistent insulin absorption¹



Dual-safety indicator provides visible and audible confirmation that needle is covered



Protective cap keeps needle sterile and helps protect from needlesticks

Help ensure patient comfort

Cardinal Health™ Monoject™ Standard Pen Needle

Comfort is key when managing your patient's diabetes. The Cardinal Health™ Monoject™ Standard Pen Needle features shorter needle lengths to help make injections less painful and allow healthcare providers to provide a positive patient experience.

- Shorter needle lengths for injection into the subcutaneous layer of skin
- Sterile, single use and individually packaged
- Color-coded with different gauge and lengths for easy identification of needle sizes
- Compatible with all major brands of pen injectors



Monoject™ Standard Pen Needle

Order code	Description	Length	Color	Box qty.	Case qty.
8881053108	31G (0.25 mm) x 8 mm	8 mm	Orange	100	2400
8881053105	31G (0.25 mm) x 5 mm	5 mm	Purple	100	2400
8881053104	31G (0.25 mm) x 4 mm	4 mm	Lt blue	100	2400
8881053206	32G (0.23 mm) x 6 mm	6 mm	Brown	100	2400
8881053204	32G (0.23 mm) x 4 mm	4 mm	Lt green	100	2400

Monoject™ Safety Pen Needle

Order code	Description	Length	Box qty.	Case qty.
8881063008	30G (0.31 mm) x 8 mm	8 mm	100	1200
8881063005	30G (0.31 mm) x 5 mm	5 mm	100	1200
8881063204	32G (0.23 mm) x 4 mm	4 mm	100	1200
8881063105	31G (0.25 mm) x 5 mm	5 mm	100	1200

For more information or to order, contact your Cardinal Health sales representative or visit cardinalhealth.com/monoject



Samples are pursuant to our sample policies and procedures.

References: 1. Frid AH, et al. New insulin delivery recommendations. *Mayo Clin Proc.* 2016. Accessed July 13, 2023. <https://doi.org/10.1016/j.mayocp.2016.06.010> 2. Maffettone A, Rinaldi M, Ussano L, Fontanella A (2016) Insulin therapy in the hospital setting: a time for a change? *Ital J Med* 10:23–28. 3. Bouya S, et al. Global prevalence and device related causes of needle stick injuries among health care workers: A systematic review and meta-analysis. *Ann Glob Health.* Published April 6, 2020. Accessed July 13, 2023. <https://doi.org/10.5334/aogh.2698> 4. O'Malley EM, Scott RD, 2nd, Gayle J, et al. Costs of management of occupational exposures to blood and body fluids. *Infect Control Hosp Epidemiol.* 2007;28(7):774-782 doi:10.1086/518729 5. Bloodborne pathogens and needlestick prevention. osha.gov. <https://osha.gov/bloodborne-pathogens/evaluating-controlling-exposure>. Accessed July 13, 2023. <https://osha.gov/bloodborne-pathogens/evaluating-controlling-exposure>

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