Why use Neogen's detectable needles?

Broken needles are a major concern in the pork and beef industries worldwide. Meat producers and packers know that stray needles in a carcass or cut of meat can be costly and damage their reputation. However, the standard needle used in the industry is detected only 15% of the time, even with the most modern detection systems.

Strength.

Neogen has worked with producers and veterinarians to develop a line of durable needles made specifically for animal use. Our patented heavy wall design is 33% thicker than standard needles. Our detectable needles are both resistant to breakage and highly detectable if breakage occurs.

Detectability.

Detectability was increased to 100% by the use of a patented stainless steel alloy. Each lot of needles must pass our 15 point quality inspection and be certified detectable in our own metal detector before it is released for sale.

Durability.

Neogen's detectable needles were designed with durable tips to retain sharpness for repeated injections. All of our detectable needles were designed for animal use, not adapted from human products. These needles were made to deliver vaccines and medications under field conditions, not in hospitals.

Value.

A unique combination of strength, detectability and durability makes Neogen's Detectable Needles the most cost-effective needles on the market.

Choices.

Neogen offers four brands of detectable needles to suit every production system. The chart below summarizes the features of each needle:

	Packaging	Hub Type	Detectable	Tri-Beveled Tip	Needle Grind	Stainless Steel Cannula	Wall Type	Sterile
D3 Detectable Needle	Cartridge	Chrome-Plated Brass & Aluminum	✔	✔	B-Bevel	✔	Thick	✔
DTN (Detectable Tough Needle)	Cartridge & Soft Pack	Aluminum & Clear Polypropylene	✔	✔	A-Bevel	✔	Medium	✔
HDN (Highly Detectable Needle)	Cartridge & Soft Pack	Aluminum & Colored Polypropylene	✔	✔	A-Bevel	✔	Thick	✔

Detectable Needles
Animal Safety Division

![NEOGEN CORPORATION]

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AN186-0510

From inside the farm gate to the dinner plate, one needle is too many.

NEOGEN CORPORATION

D3 Needles™ Durable. Detectable. Dependable.

Detectability
- 100% detectable in metal detection systems vs. 15% for standard needles

Durability
- Superior durability; thick wall cannula and plated brass hubs reduces breakage 6-fold over conventional needles

Sharpness
- Precision ground tip stays sharper longer, allowing for multiple injections without burring

Packaging Features
- Gauge stamped on hub and packed in red cartridges and boxes for easy identification
- Catridges are tamper-evident and labeled with needle size and lot number

D3 Needles - packaged 100 per box

Item No.	Size	Hub Type	Packaging	Color Code
9418AL	2,0 x 25 mm • 14 G x 1"	Aluminum	Cartridge	Red
9419AL	2,0 x 38 mm • 14 G x 1½"	Aluminum	Cartridge	Red
9415	1,6 x 16 mm • 16 D x ⅝"	Brass	Cartridge	Red
9416	1,6 x 19 mm • 16 D x ¾"	Brass	Cartridge	Red
9420	1,6 x 25 mm • 16 D x 1"	Brass	Cartridge	Red
9417	1,6 x 38 mm • 16 D x 1½"	Brass	Cartridge	Red
9421	1,3 x 19 mm • 18 D x ¾"	Brass	Cartridge	Red
9422	1,3 x 16 mm • 18 D x ⅝"	Brass	Cartridge	Red
9423	1,3 x 25 mm • 18 D x 1"	Brass	Cartridge	Red
9424	1,3 x 38 mm • 18 D x 1½"	Brass	Cartridge	Red
9411AL	0,9 x 25 mm • 20 G x 1"	Aluminum	Cartridge	Red
9412AL	0,9 x 13 mm • 20 G x ½"	Aluminum	Cartridge	Red

D3 Detectable Needles are specifically designed for production animal use and processing plant detectability. In addition, they address packer HACCP and quality assurance programs.

HDN Highly Detectable Needles

Detectability
- HDN stainless cannula is the most detectable on the market

Durability
- The HDN needle has standard durability but the highest detectability, and is used in situations where maximum detectability in small sizes is desired

Sharpness
- The precision-ground tip is ultrasharp

Packaging Features
- Color-coded boxes and needle cartridges for easy identification of needle size

HDN Highly Detectable Needles - packaged 100 per box

Item No.	Size	Hub Type	Packaging	Color Code
HDN1610A	1,6 x 25 mm • 16 G x 1"	Aluminum	Cartridge	Gray
HDN1615A	1,6 x 38 mm • 16 G x 1½"	Aluminum	Cartridge	Gray
HDN1650A	1,6 x 13 mm • 16 G x ½"	Aluminum	Cartridge	Gray
HDN1658A	1,6 x 16 mm • 16 G x ⅝"	Aluminum	Cartridge	Gray
HDN1675A	1,6 x 19 mm • 16 G x ¾"	Aluminum	Cartridge	Gray
HDN1810A	1,3 x 25 mm • 18 G x 1"	Aluminum	Cartridge	Pink
HDN1815A	1,3 x 38 mm • 18 G x 1½"	Aluminum	Cartridge	Pink
HDN1858A	1,3 x 16 mm • 18 G x ⅝"	Aluminum	Cartridge	Pink
HDN1875A	1,3 x 19 mm • 18 G x ¾"	Aluminum	Cartridge	Pink
HDN2010P	0,9 x 25 mm • 20 G x 1"	Poly	Soft Pack	Yellow
HDN2015P	0,9 x 38 mm • 20 G x 1½"	Poly	Soft Pack	Yellow
HDN2038P	0,9 x 9 mm • 20 G x ⅜"	Poly	Soft Pack	Yellow
HDN2050P	0,9 x 13 mm • 20 G x ½"	Poly	Soft Pack	Yellow
HDN2050PI	0,9 x 13 mm • 20 G x ½"	Poly	Cartridge	Yellow
HDN2058P	0,9 x 16 mm • 20 G x ⅝"	Poly	Soft Pack	Yellow
HDN2075P	0,9 x 19 mm • 20 G x ¾"	Poly	Soft Pack	Yellow

DTN Detectable Tough Needles

Detectability
- The cannula is very detectable in metal detection systems
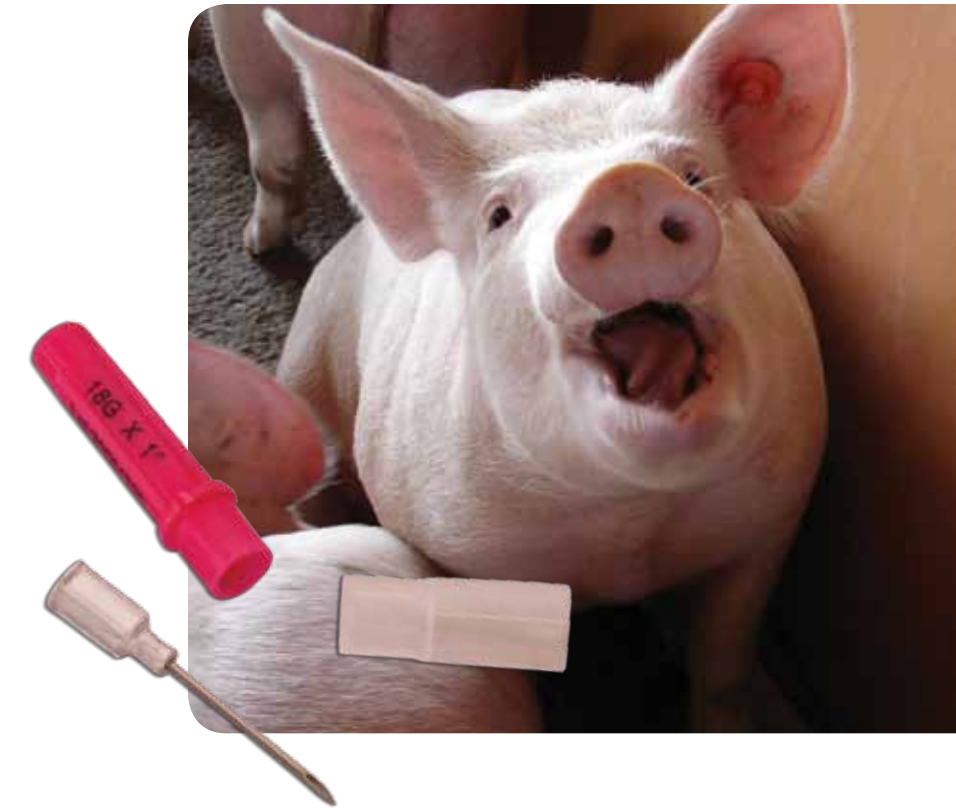
Durability
- The medium wall cannula is more durable than standard needles

Sharpness
- The precision-ground tip is ultrasharp

Packaging Features
- Color-coded boxes and needle cartridges for easy identification of needle size

DTN Detectable Tough Needles - packaged 100 per box

Item No.	Size	Hub Type	Packaging	Color Code
DTN1410AT	2,0 x 25 mm • 14 G x 1"	Aluminum	Cartridge	Green
DTN1415AT	2,0 x 38 mm • 14 G x 1½"	Aluminum	Cartridge	Green
DTN1420AT	2,0 x 50 mm • 14 G x 2"	Aluminum	Cartridge	Green
DTN1610AT	1,6 x 25 mm • 16 G x 1"	Aluminum	Cartridge	Gray
DTN16125AT	1,6 x 31 mm • 16 G x 1¼"	Aluminum	Cartridge	Gray
DTN1615AT	1,6 x 38 mm • 16 G x 1½"	Aluminum	Cartridge	Gray
DTN1620AT	1,6 x 50 mm • 16 G x 2"	Aluminum	Cartridge	Gray
DTN1650AT	1,6 x 13 mm • 16 G x ½"	Aluminum	Cartridge	Gray
DTN1658AT	1,6 x 16 mm • 16 G x ⅝"	Aluminum	Cartridge	Gray
DTN1675AT	1,6 x 19 mm • 16 G x ¾"	Aluminum	Cartridge	Gray
DTN1810AT	1,3 x 25 mm • 18 G x 1"	Aluminum	Cartridge	Pink
DTN1815AT	1,3 x 38 mm • 18 G x 1½"	Aluminum	Cartridge	Pink
DTN1820AT	1,3 x 50 mm • 18 G x 2"	Aluminum	Cartridge	Pink
DTN1858AT	1,3 x 16 mm • 18 G x ⅝"	Aluminum	Cartridge	Pink
DTN1875AT	1,3 x 19 mm • 18 G x ¾"	Aluminum	Cartridge	Pink
DTN1910PT	1,0 x 25 mm • 19 G x 1"	Poly	Soft Pack	Yellow
DTN1920PT	1,0 x 50 mm • 19 G x 2"	Poly	Soft Pack	Yellow
DTN1975PT	1,0 x 19 mm • 19 G x ¾"	Poly	Soft Pack	Yellow