

Osteo-Site[®] Needles Features & Benefits



Ergonomic Handle Design

Of the cannula enabling positive experience and maximum performance



Sharpened Cutting Tip

Outer cannula has a sharpened cutting tip to maintain access for biopsy and infusion when inner stylet is removed



Radiolucent Handle

Which provides an unobstructed view during introduction into bone, ensuring accurate needle placement



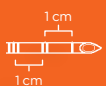
The Sharp Diamond-Tipped Stylet

Facilitates easy placement into the periosteum and bone cortex



The 30° Side-Beveled Stylet

For minor redirection of needle during introduction



1 cm Increments

Outer cannula is marked with 1 cm increments in order to help guide and gauge depth



Radiolucent Needle-Holder

Certain sets include a 20 cm radiolucent needle-holder



Osteo-Site® Products / Needles

Bone Biopsy Needle Set

Side-bevel and diamond-tip

Used for vertebral body biopsy and infusion

- ◇ 2 inner stylets featuring 1 side-beveled and 1 diamond shaped tip
- ◇ A blunt tip stainless steel obturator is included

Supplied sterile in peel-open packages. Intended for one-time use only.

Gain access for **biopsy and injection** with side-bevel and diamond-tip stylets

The side-bevel allows the physician to **direct the needle** to the desired location

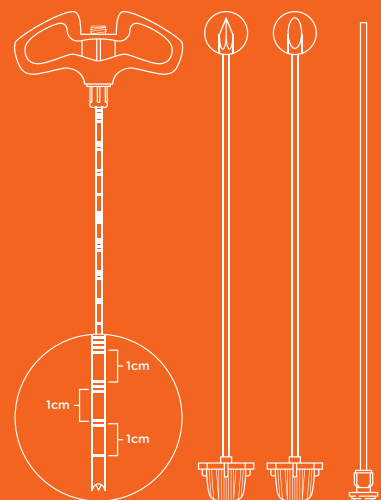
The diamond-tip **facilitates easy placement** into the periosteum and bone cortex



ORDER INFORMATION

Bone Biopsy Needle Set

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-11-10.0	11G • 10 cm	G12373
DBBN-11-15.0	11G • 15 cm	G12374
DBBN-13-10.0	13G • 10 cm	G12499
DBBN-13-15.0	13G • 15 cm	G12500



Not all parts numbers shown may be approved for sale in all regulatory jurisdictions. Parts and configurations are subject to change without notification. Please consult with your Account Representative for details.

Osteo-Site® Products / Needles

Murphy M1M™ - Side-Bevel

Bone Biopsy Needle Set

Used for vertebral body biopsy and infusion

- ◇ Inner stylet and outer cannula are side-beveled to match
- ◇ A blunt tip stainless steel obturator is included
- ◇ A 20 cm long radiolucent needle holder is included

Supplied sterile in peel-open packages. Intended for one-time use only.

To achieve **improved purchase** on the periosteum, the outer cannula is back-beveled

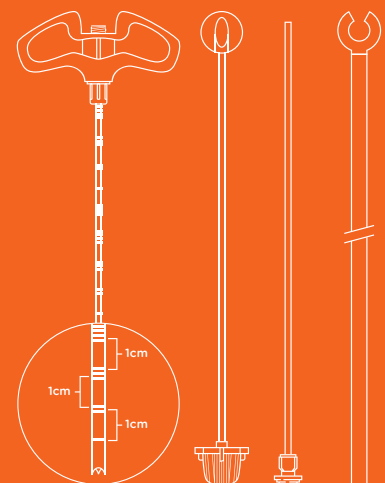
The side-bevel allows the physician to **direct the needle** to the desired location



ORDER INFORMATION

Murphy M1M™ - Side-Bevel

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-11-10.0-M1M	11G • 10 cm	G13761
DBBN-11-15.0-M1M	11G • 15 cm	G26949
DBBN-13-10.0-M1M	13G • 10 cm	G13762
DBBN-13-15.0-M1M	13G • 15 cm	G26950
SPECIAL SIZE		
DBBN-11-18.0-M1M	11G • 18 cm	G27000



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Osteo-Site® Products / Needles

Murphy M2™ - Diamond-tip

Bone Biopsy Needle Set

Used for vertebral body biopsy and infusion

- Inner stylet is ground to match the trephine tip of the depth-marked outer cannula
- A blunt tip stainless steel obturator is included
- A 20 cm long radiolucent needle holder is included

Supplied sterile in peel-open packages. Intended for one-time use only.

The matched stylet/cannula tips **maximize access** and biopsy capabilities

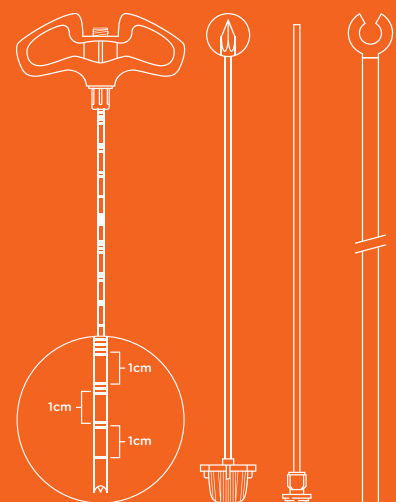
The sharp diamond-beveled tip **provides optimum purchase** on the vertebral body



ORDER INFORMATION

Murphy M2™ - Diamond-tip

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-11-10.0-M2 ○	11G • 10 cm	G13018
DBBN-11-15.0-M2 ○	11G • 15 cm	G13020
DBBN-13-10.0-M2 ○	13G • 10 cm	G13019
DBBN-13-15.0-M2 ○	13G • 15 cm	G13021



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Osteo-Site® Products / Needles

Murphy M2-S™ - Multi-Purpose Set

Coaxial Bone Biopsy Needle Set

Used for vertebral body biopsy and infusion

- Includes a high-torque steel inner biopsy needle with trephine tip
- A blunt tip stainless steel obturator is included
- A 20 cm long radiolucent needle holder is included

Supplied sterile in peel-open packages. Intended for one-time use only.

Access, biopsy and cement injection – all with a **single access point**

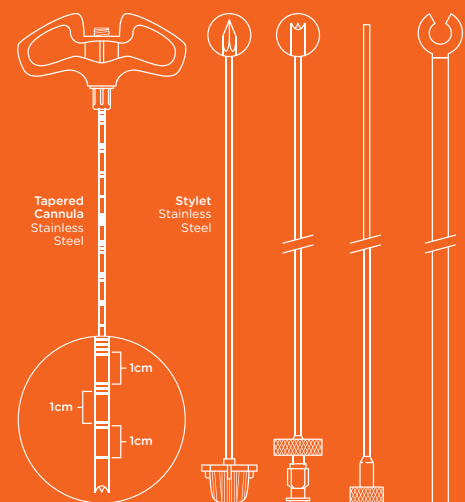
The inner needle is **introduced coaxially** through the depth-marked Osteo-Site needle



ORDER INFORMATION

Murphy M1M™ - Side-Bevel

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	INNER BIOPSY NEEDLE GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-11-10.0-M2-S	○ 11G • 10 cm	14G • 17.1 cm	G36211
DBBN-11-15.0-M2-S	○ 11G • 15 cm	14G • 22.1 cm	G36406
DBBN-13-10.0-M2-S	○ 13G • 10 cm	16G • 17.1 cm	G36407
DBBN-13-15.0-M2-S	○ 13G • 15 cm	16G • 22.1 cm	G36409



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Osteo-Site® Products / Needles

Martin Cervical Bone Biopsy Needle Set

Side-bevel and diamond-tip

Used for vertebral body biopsy and infusion

- Inner stylet and depth-marked outer cannula are side-beveled to match
- A blunt tip stainless steel obturator is included
- A 20 cm long radiolucent needle holder is included

Supplied sterile in peel-open packages. Intended for one-time use only.

To achieve **improved purchase** on the periosteum the outer cannula is back-beveled

The 15 gauge needle allows **less traumatic access** into small bone



ORDER INFORMATION

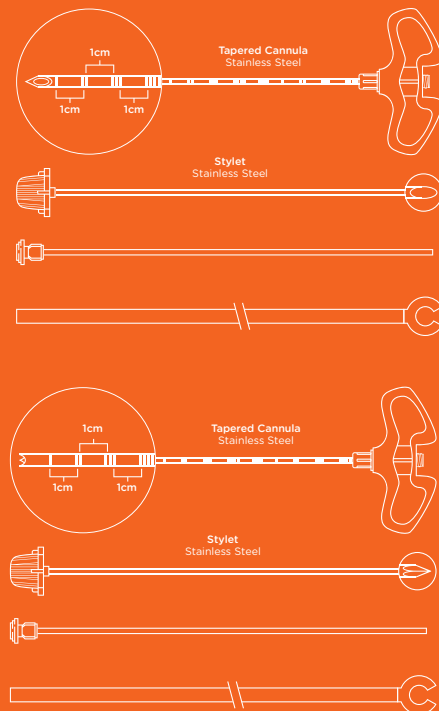
Martin Cervical Bone Biopsy Needle Sets with Side-Bevel Tip

SET ORDER NUMBER	OUTER CANNULA: GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-15-10.0-CERV	15G • 10 cm	G26951
DBBN-15-15.0-CERV	15G • 15 cm	G55028

Martin Cervical Bone Biopsy Needle Sets with M2™ Diamond Tip

SET ORDER NUMBER	OUTER CANNULA: GAUGE • LENGTH	GLOBAL PROD. NO.
DBBN-15-10.0-M2-CERV	15G • 10 cm	G55029
DBBN-15-15.0-M2-CERV	15G • 15 cm	G55030

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Osteo-Site® Products / Needles

Coaxial Curved Bone Biopsy Needle Set

Side-bevel

Used for vertebral body biopsy and infusion

- Inner stylet and depth-marked outer cannula are side-beveled to match
- A curved needle with a flexible stylet are included
- A blunt tip stainless steel obturator and curved needle obturator are included

Supplied sterile in peel-open packages. Intended for one-time use only.

The curved needle allows **directional infusion** of bone cement into the vertebral body

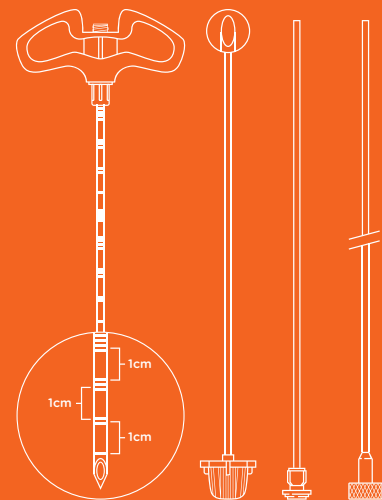
Reach the entire vertebral body via a **unipedicular approach** with the curved needle option



ORDER INFORMATION

Coaxial Curved Bone Biopsy Needle Set

SET ORDER NUMBER	INTRODUCER NEEDLE GAUGE • LENGTH	CURVED NEEDLE GAUGE • LENGTH	GLOBAL PROD. NO.
DCBNS-13-19.0-C	10G • 10 cm	13G • 19 cm	G13053



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Osteo-Site® Products / Needles

Coaxial Bone Biopsy Needle Set

Trephine tip

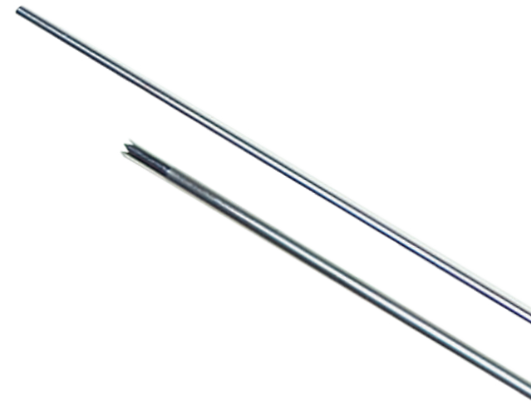
Used for the coaxial biopsy

- Outer cannula features trephine tip to ease access
- Compatible with any standard Osteo-Site® outer cannula size (11 or 13 gauge)
- A blunt tip stainless steel obturator is included

Supplied sterile in peel-open packages. Intended for one-time use only.

Allows **coaxial biopsy during bone access** and infusion procedures

Choose **individual devices** to fit your specific procedure



ORDER INFORMATION

Coaxial Bone Biopsy Needle Set

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	GLOBAL PROD. NO.
DCBBN-14-17.1	14G • 17.1 cm	G24315
DCBBN-14-22.1	14G • 22.1 cm	G24316
DCBBN-16-17.1	16G • 17.1 cm	G24317
DCBBN-16-22.1	16G • 22.1 cm	G24318



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Osteo-Site® Products / Needles

Ratchet Bone Biopsy Needle Set

Hand Drilling Into Hard Bone

Used for vertebral body biopsy and infusion

- Ratchet-style unidirectional drilling action and unique spade tip design
- A blunt tip stainless steel obturator is included

Supplied sterile in peel-open packages. Intended for one-time use only.

Hand control allows **smooth drilling** while reducing risk of incidental loss of pressure or direction

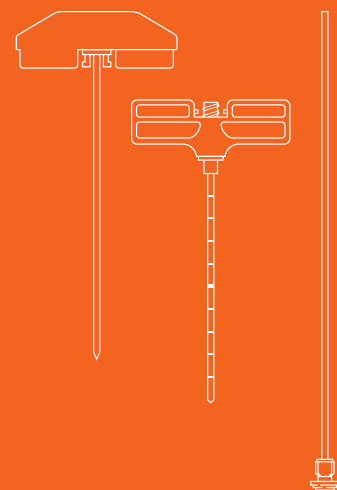
Quiet drilling operation can maintain **patient comfort**



ORDER INFORMATION

Ratchet Bone Biopsy Needle Set

SET ORDER NUMBER	OUTER CANNULA GAUGE • LENGTH	GLOBAL PROD. NO.
RBBN-11-10.0	11G • 10 cm	G24311
RBBN-11-15.0	11G • 15 cm	G24312
RBBN-13-10.0	13G • 10 cm	G24313
RBBN-13-15.0	13G • 15 cm	G24314



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