

NON-STERILE THUMB SCALPEL

DESCRIPTION

A Non-Sterile Thumb Scalpel is a compact, finger-held cutting instrument designed for precise incisions, dissection, or tissue preparation. It features a small, sharp blade integrated into a handle that fits comfortably between the thumb and forefinger, allowing controlled, detailed cutting without a full scalpel handle. Commonly used in medical, veterinary, laboratory, and general utility applications where sterility is not immediately required or where the user will sterilise the tool before use.

SPECIFICATION

- **Material:** Stainless steel blade with aluminium or plastic thumb handle
- **Blade Style:** Fixed sharp micro-blade / straight edge
- **Handle Design:** Ergonomic thumb-grip style for precision control
- **Sterility:** Supplied non-sterile
- **Reusability:** Generally single-use for blade; some handles reusable
- **Sharpness:** Fine-edge cutting blade for detailed work
- **Finish:** Polished or matte depending on model

SIZES

- Small (micro blade)
- Standard (regular cutting edge)
- Wide blade variant

(Size varies based on blade type and manufacturer)

SHAPES & TYPES

- Straight thumb scalpel
- Curved-tip thumb scalpel
- Narrow-point blade
- Wide flat-edge blade
- Disposable thumb scalpel
- Reusable handle with replaceable blade

MATERIAL TYPES

- Stainless Steel Blade (SS 420 / SS 410 hardened)
- Aluminium thumb handle
- High-density polymer thumb handle
- Silicone-coated blade variants (optional)

CATEGORY

- Medical Consumables
- Minor Surgical & Laboratory Cutting Tools
- Veterinary Utility Instruments

PRODUCT FORM

- Non-sterile, ready for sterilisation before clinical use
- Fixed-blade or replaceable-blade design
- Individually packed or bulk-packed

USAGE

Human Application:

- Minor skin trimming or preparation (after sterilisation)
- Laboratory dissection
- Crafting and model cutting
- Removing tissue samples
- Sharpening or trimming sutures and materials

Veterinary Application:

- Minor animal tissue trimming
- Lab specimen preparation
- Field cutting tasks
- Preparing small surgical areas (after sterilisation)

Non-medical Applications:

- Arts & crafts
- Industrial material cutting

★ ADVANTAGES

- Thumb-controlled precision
- Lightweight and easy to handle
- Efficient for fine, detailed cutting
- Can be sterilised before use
- Low-cost and widely available
- Compact design – ideal for field kits

⚠ DISADVANTAGES

- Supplied non-sterile → requires sterilisation before clinical use
- Small blade may break if misused
- Not ideal for large incisions
- Limited reach compared to full surgical scalpels

🚫 PRECAUTIONS

- Must be sterilised before any medical or veterinary use
- Handle with care to avoid accidental cuts
- Dispose safely if using disposable type
- Do not use on thick or hard tissue
- Avoid excessive pressure to prevent blade breakage

📦 HANDLING DETAILS

- Hold between thumb and forefinger for best precision
- Keep blade covered when not in use
- Always cut away from the body
- Discard in sharps container after use
- For reusable handles, replace dull blades promptly

STERILISATION DETAILS

Since it is supplied non-sterile, sterilisation is required before clinical use.

- Autoclave compatible (if metal handle type)
- Chemical sterilisation (glutaraldehyde, approved solutions)
- EO (Ethylene Oxide) compatible
- Alcohol wipe cleaning for non-clinical use
- Ensure blade is fully dry to prevent corrosion

HS CODE (Harmonized System Code)

HS Code: 9018 – Medical, surgical, dental, and veterinary instruments.

HSN CODE (India)

HSN Code: 9018.90 – Other surgical instruments and appliances.

FAQ (Frequently Asked Questions)

1. What is a Non-Sterile Thumb Scalpel used for?

It is used for fine, controlled cutting in medical, veterinary, laboratory, and general applications.

2. Is it reusable?

Some models are disposable; others have reusable handles with replaceable blades.

3. Does it need sterilisation before use?

Yes, if used for any medical or veterinary purpose.

4. Can it be used for large incisions?

No, it is designed for small, precise cuts only.

5. What material is the blade made from?

Medical-grade stainless steel (SS 410/420 hardened for sharpness).