

# Muscle Retractor

## Description:

The **Muscle Retractor** is a surgical instrument designed to **hold back muscles and soft tissues** during veterinary or human surgeries, providing the surgeon with a **clear view of the surgical area**. Its design ensures minimal tissue trauma while maintaining steady retraction throughout the procedure.

## Specifications:

- **Sizes Available:** 6 inch and 8 inch
- **Blade Type:** Flat or slightly curved
- **Handle:** Finger ring or grip-style handle for stability
- **Surface Finish:** Satin/matte to reduce glare under surgical lights
- **Tip Type:** Blunt or slightly sharp depending on surgical requirement

## Sizes & Shapes:

- **6" Size:** Ideal for small to medium-sized incisions
- **8" Size:** Suitable for deeper muscle layers or larger surgical fields
- **Shapes:**
  - Straight
  - Slightly curved for better angle of retraction

## Material:

- High-grade **surgical stainless steel**
- Rust-resistant, durable, and autoclavable
- Anti-reflective matte finish (optional)

## Category:

- Surgical Instruments
- Sub-category: Retractors

## **Product Form:**

- Reusable
- Available in **blunt-tip** or **fine-tip** designs
- Non-disposable

## **Usage:**

- Used to **hold muscles and tissues apart** during:
  - Orthopaedic surgeries
  - Abdominal procedures
  - Soft tissue dissections
- Helps improve visibility and access to the operating site

## **Advantages:**

- Provides clear surgical access
- Minimizes muscle damage due to smooth retraction
- Durable and long-lasting
- Ergonomic grip for steady use

## **Disadvantages:**

- Must be correctly positioned to avoid tissue stress
- Can cause pressure injury if used improperly or for too long

## **Precautions:**

- Always sterilize before and after use
- Do not apply excessive force while retracting
- Ensure correct size selection based on procedure depth

## **HS / HSN Code:**

- **HS Code:** 9018.90
- **HSN Code:** 9018 (Surgical Instruments)

## **Handling Instructions:**

- Hold with a firm grip using handle loops or grip
- Insert gently and retract gradually
- Do not bend or twist blades

## **Sterilization Details:**

- Fully **autoclavable**
- Compatible with standard sterilization protocols
- Can be soaked in disinfectants or sterilized via steam

## **Veterinary Application:**

Used in veterinary surgeries to retract muscles of **canines, bovines, equines, and small animals**, especially in orthopaedic or deep-tissue operations.

## **Human Application:**

Widely used in **orthopaedic, abdominal, and general surgeries** to provide **clear access** to muscles and underlying structures.

## **Frequently Asked Questions (FAQs):**

1. **What is a muscle retractor used for?**  
To hold back muscle tissue during surgeries for better visibility and access.
2. **Are 6" and 8" sizes suitable for all procedures?**  
They are standard sizes; 6" is for smaller incisions, while 8" suits deeper surgeries.
3. **Is it safe to reuse muscle retractors?**  
Yes, they are reusable and can be sterilized using standard surgical methods.
4. **Do they come in different blade shapes?**  
Yes, flat, curved, and sometimes sharp or blunt options are available.
5. **Can they be used in both human and animal surgeries?**  
Absolutely — they are essential in both human and veterinary operating rooms.