

# Episiotomy Set

## Description

An **Episiotomy Set** is a sterile, pre-arranged collection of surgical instruments used primarily during childbirth to perform an episiotomy — a surgical incision made in the perineum to enlarge the vaginal opening. This procedure facilitates easier delivery and helps prevent severe perineal tears.

## Specifications

- **Sterility:** EO (Ethylene Oxide) or Autoclaved
- **Packaging:** Individually packed, sealed sterile packs
- **Reusability:** Available in both disposable and reusable options
- **Compliance:** CE Marked, ISO 13485 Certified
- **Use Case:** Single-use (for disposables) / Multiple-use (for stainless steel sets)

## Sizes

The instruments vary in size depending on the manufacturer and intended application. Common sizes include:

- **Scissors (Episiotomy/Metzenbaum):** 14 cm – 18 cm
- **Needle Holder:** 14 cm
- **Tissue Forceps:** 14 cm
- **Artery Forceps:** 14 cm – 16 cm

## • Shapes

- **Scissors:** Straight or Curved blades
- **Forceps:** Serrated or non-serrated jaws
- **Needle Holder:** Cross-serrated jaws for firm grip

## Types

- **Standard Episiotomy Set**
- **Deluxe Episiotomy Set (with additional components)**
- **Disposable Episiotomy Kit**
- **Customized Kits (as per hospital requirement)**

## Material

- **Stainless Steel (Grade 304/316)** – corrosion-resistant, surgical grade
- **Polypropylene / Medical-grade plastic** – in disposable kits
- **Latex-free materials** – for allergy-safe use

## Category

- **Surgical Instruments**
- **Obstetrics and Gynaecology Instruments**
- **Minor Surgical Procedure Sets**

## Product Form

- **Sterile Packaged Kit** (pre-arranged)
- **Individual Instruments** (for custom setups)
- **Disposable Pouches / Reusable Cases**

## Usage

Used in labor wards and delivery rooms for:

- Performing **episiotomy** incisions
- Suturing post-delivery perineal tears
- Minor obstetric procedures
- Teaching and demonstration purposes in medical education

## Advantages

- Reduces risk of uncontrolled perineal tears
- Facilitates smoother and quicker delivery
- Standardized sterile setup saves time in emergencies
- Ensures availability of all required tools in one place
- Can be pre-sterilized for quick usage

## ✘ Disadvantages

- Invasive surgical procedure; may lead to complications if not done properly
- Risk of infection if sterility is compromised
- Requires skilled personnel to use correctly
- Can cause pain, scarring, or prolonged healing

## ⚠ Precautions

- Must be used by trained professionals only
- Maintain complete sterility before, during, and after procedure
- Proper disposal protocols for disposable kits
- Ensure patient consent and proper counselling
- Avoid overuse or unnecessary episiotomies

## 🌐 HS / HSN Code

- **HS Code:** 9018.90
- **HSN Code:** 90189090  
(Covers medical, surgical, and veterinary instruments and appliances)

## 👉 Handling Instructions

- Handle instruments with clean, gloved hands
- Inspect instruments for damage before use
- Ensure secure locking of clamps and holders
- Avoid contact with non-sterile surfaces

## 🧪 Sterilization Details

- **Reusable Sets:**
  - Autoclave at 121°C for 15–20 minutes
  - Ultrasonic cleaning prior to sterilization
- **Disposable Sets:**
  - Pre-sterilized using Ethylene Oxide (EO)
  - Do not reuse/ Discard as per biomedical waste protocol

## Human Application

- Performed during vaginal delivery to ease childbirth
- Helps in reducing trauma to the fetal head
- Essential in certain obstetric conditions (e.g., rigid perineum, fetal distress)
- Commonly used in hospital labour wards and maternity clinics

## Veterinary Application

- Used in large animal obstetrics, especially in complicated calvings or parturitions
- Helps minimize birth trauma in animals (e.g., cows, mares)
- Requires trained veterinary obstetricians
- Ensures humane and hygienic birthing practices in veterinary clinics or farms

## Frequently Asked Questions (FAQs)

### **Q1. What is the full form of an Episiotomy Set?**

**Answer:** It is a set of instruments used to perform an episiotomy during childbirth.

### **Q2. Is the episiotomy set reusable?**

**Answer:** Both **reusable** (stainless steel) and **disposable** sets are available.

### **Q3. How is the set sterilized?**

**Answer:**

- **Reusable sets:** Autoclaving or chemical sterilization
- **Disposable sets:** Pre-sterilized with EO gas

### **Q4. What instruments are usually included?**

**Answer:**

- Episiotomy scissors
- Tissue forceps
- Artery forceps
- Needle holder
- Sterile drapes/swabs (optional in deluxe kits)

### **Q5. Can it be used in veterinary practice?**

**Answer:** Yes, specific veterinary versions are used for animal births, especially in larger animals.