

# Morphine Sulfate

## GENERIC NAME

Morphine Sulfate

## TRADE NAME

Morphine

## DESCRIPTION

Morphine Sulfate is an opioid pain reliever used to manage moderate to severe pain. It acts as a central nervous system depressant, providing both analgesia and sedation.

## HOW SUPPLIED

Ampule and multi-dose vial: 10 mg/1 ml

## INDICATIONS

- Patients with pain of non-traumatic origin
- Burn patients with pain
- Analgesia prior to cardioversion

## CONTRAINDICATIONS

- Allergy or hypersensitivity to Morphine
- Should not be used in trauma patients (other than burn injuries)
- Undiagnosed head injury or sudden onset of altered mental status

## MECHANISM OF ACTION

Morphine Sulfate acts as a central nervous system depressant, providing pain relief and sedation by binding to opioid receptors in the brain and spinal cord.

## SIDE EFFECTS

- Nausea

- Vomiting
- Abdominal cramps
- Blurred vision
- Constricted pupils
- Altered mental status
- Headache
- Respiratory depression

## AUTHORIZATION

**EMT:** Not authorized

**AEMT:** Not authorized

**Paramedic:** Standing order and Medical Control

## DOSAGE

Patient Type	Route	Standard Dosage	Maximum Dosage
Adult (Non-burn pain)	IV/IO/IM	2-5 mg slow push	10 mg total
Adult (Burn patients)	IV/IO/IM	2-5 mg slow push	20 mg total
Pediatric (Non-burn pain)	IV/IO/IM	0.1 mg/kg slow push	5 mg total
Pediatric (Burn patients)	IV/IO/IM	0.1 mg/kg slow push	10 mg total

## Administration Notes:

- Administer Morphine slowly over several minutes to avoid rapid onset of side effects, particularly respiratory depression.
- Monitor respiratory status closely, especially in patients with underlying respiratory conditions.
- For burn patients, higher maximum dosages are permitted due to the severity of pain.

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