

## Misoprostol

**Class:** Prostaglandin

### Indications:

Prevention of NSAID-induced gastric ulcers.  
Medical termination of pregnancy of  $\leq 49$  days in conjunction with mifepristone

### Available dosage form in the hospital:

MISOPROSTOL 200 MCG TAB (CYTOTEC)

### Trade Names:

### Dosage:

Adult:

**-Prevention of NSAID-induced gastric ulcers:** Oral: 200 mcg 4 times daily with food; if not tolerated, may decrease dose to 100 mcg 4 times daily with food; last dose of the day should be taken at bedtime.

**-Medical termination of pregnancy:** Oral: Refer to Mifepristone monograph.

**-Labor induction or cervical ripening (unlabeled uses):** Intravaginal: 25 mcg ( $1/4$  of 100 mcg tablet); may repeat at intervals no more frequent than every 3-6 hours. Do not use in patients with previous cesarean delivery or prior major uterine surgery (ACOG, 2009b).

**-Prevention of postpartum hemorrhage (unlabeled use):** Oral: 600 mcg as a single dose administered immediately after delivery; to be used in settings where oxytocin is not available (FIGO, 2012).

**-Treatment of postpartum hemorrhage (unlabeled use):** Sublingual: 800 mcg as a single dose; to be used in settings where oxytocin is not available. Use caution if a prophylactic dose was already given, especially if adverse events were observed (FIGO, 2012).

**-Treatment of incomplete abortion (unlabeled use):** Oral: 600 mcg as a single dose (ACOG, 2009a)

**-Treatment of missed abortion (unlabeled use):**

-Sublingual: 600 mcg; may repeat every 3 hours for 2 additional doses if needed (ACOG, 2009a).

-Intravaginal: 800 mcg; may repeat every 3 hours for 2 additional doses if needed (ACOG, 2009a).

### Geriatric:

Prevention of NSAID-induced gastric ulcers: Refer to adult dosing.

### Renal Impairment:

Dose adjustment is not routinely needed; however, the dose may be reduced if the recommended dose is not tolerated. It is not known if misoprostol is removed by dialysis.

### Hepatic Impairment:

No dosage adjustment provided in manufacturer's labeling.

**Common side effect:**

Gastrointestinal: Diarrhea, abdominal pain.

**Pregnancy Risk Factor: X**