

Seclo[®] MUPS 20

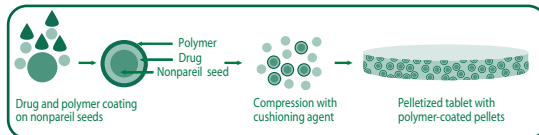
Omeprazole 20 mg

COMPOSITION

Seclo[®] MUPS 20 Tablet: Each film coated MUPS tablet contains 20 mg Omeprazole enteric coated micro pellets equivalent to Omeprazole BP 20 mg.

MUPS

MUPS is abbreviation for Multiple-Unit Pellet System. However, from pharmaceutical industry and research perspective, the term in general refers to MUPS compacted into tablets. Thus, the resulting tablets prepared by compaction of modified release coated multiparticulates or pellets are called as MUPS. It is the more recent and challenging technology that combines the advantages of both tablets and pellet-filled capsules in one dosage form.



CLINICAL ADVANTAGE OF OMEPRAZOLE MUPS TABLET COMPARED TO CONVENTIONAL MODIFIED-RELEASE OMEPRAZOLE TABLETS AND PELLET-FILLED OMEPRAZOLE CAPSULES

- Ensures greater bioavailability
- Ensures uniform emptying of micro pellets from stomach into small intestine facilitates rapid dissolution of enteric coating and drug release resulting in early T_{max} and C_{max} (peak time and peak plasma concentration)
- Ensures lesser possibility of dose dumping
- Is a combination of fast acting and sustained action
- Ensures uniform drug release
- Once daily dosing
- Ensures lesser chance of localized irritation
- Ensures better and more uniform drug absorption
- Better than capsules in reducing the esophageal residence time
- Minimizes fluctuation in plasma concentration of drug

PHARMACODYNAMIC ADVANTAGES

- MUPS ensure rapid and uniform gastric emptying and subsequently uniform drug dissolution of pellets in the gastrointestinal tract due to their small size and larger surface, uniform drug absorption is facilitated which results in consistent and controlled pharmacological action.
- A further reduction in inter- and intra-subject variability in drug absorption and clinical response is facilitated since the number of pellets per MUPS dosage form is much more than a conventional pellet-filled capsule and possibility of dose dumping (in stomach) and incomplete drug release is further minimized.

INDICATION

- Duodenal and Gastric ulcers
- NSAID-induced gastric and duodenal ulcers
- Reflux Oesophagitis
- GERD (Gastroesophageal Reflux Disease)
- Eradication of *H. pylori* with appropriate antibiotics
- Zollinger-Ellison Syndrome

DOSAGE & ADMINISTRATION

Adult :

Indication	Dose	Frequency
GERD (Gastroesophageal Reflux Disease)	20 mg	Once daily for 4 weeks
Gastric ulcer	20 mg	Once daily for 4—8 weeks; in severe cases Twice daily
Duodenal ulcer	20 mg	Once daily for 2—4 weeks; in severe cases Twice daily
NSAID-induced ulceration	20 mg	Once daily for 4—8 weeks
Reflux esophagitis	20 mg	Once daily for 4—8 weeks; in severe cases Twice daily
<i>H. pylori</i> eradication (Omeprazole MUPS tablet with Amoxicillin and Clarithromycin or Metronidazole)	20 mg	Twice daily for 1 week
Zollinger-Ellison Syndrome	60 mg	Once daily; Usual maintenance, 20—120mg daily

Children over 2 years old:

Indication	Dose	Frequency
Acid regurgitation in GERD (Gastroesophageal Reflux Disease)	20 mg	Once daily for 2-4 weeks
Reflux esophagitis	20 mg	Once daily for 4-8 weeks

Take the tablet before or after meal.

Swallow the tablet whole with a glass of water. The tablet must not be chewed or crushed.



Or

If the patients have trouble swallowing the tablets, put the tablet into a glass of water (Do not use other liquids). Stir the preparation until the tablets disintegrate. Then drink the liquid within 30 minutes. Stir the mixture just always before drinking.



CONTRAINDICATION

Omeprazole is contraindicated in those patients who have known hypersensitivity to any other components of the formulation.

PRECAUTION

Omeprazole tablet should be used carefully if the patient has severe liver dysfunction and severe renal impairment.

USE IN PREGNANCY AND LACTATION

Not known to be harmful. Omeprazole can be used during pregnancy. Omeprazole is excreted in breast milk but is not likely to influence the child when therapeutic doses are used.

DRUG INTERACTION

Omeprazole is metabolized through CYP2C19. When starting or stopping treatment with Omeprazole should be taken into account potential interactions with medicines which are CYP2C19 metabolized.

STORAGE

Store in a cool (below 30° C) and dry place, protected from light and moisture.

HOW SUPPLIED

Seclo[®] MUPS 20 Tablet: Each box contains 30 tablets in Alu-Alu blister pack.

Manufactured by



SQUARE
FORMULATIONS LTD.
Tangail, Bangladesh

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