

## PANCREATIC ENZYME

**Class:** Enzyme

**Indications:** Treatment of exocrine pancreatic insufficiency (EPI) due to conditions such as cystic fibrosis (Creon, Pancreaze, Pertzye, Ultresa, Zenpep); chronic pancreatitis (Creon, Viokace); or pancreatectomy (Creon, Viokace)

**Available dosage form in the hospital:**

PANCREATIC ENZYME (LIPASE 10000 UNITS ,AMYLASE 8000 UNITS,PROTEASE 600 UNITS) TAB, PANCREATIC ENZYME PROVIDING (LIPASE 250000 UNITS ,AMYLASE 18000 UNITS,PROTEASE 1000 UNITS) TAB, PANCREATIC ENZYME (LIPASE 7400FIP UNITS ,AMYLASE 7000 FIP UNITS,PROTEASE 420 FIP UNITS) TAB

**Dosage: Note:** Adjust dose based on body weight, clinical symptoms, and stool fat content.

Allow several days between dose adjustments. Total daily dose reflects ~3 meals/day and 2-3 snacks/day, with half the mealtime dose given with a snack. Doses of lipase >2500 units/kg/meal (or lipase >10,000 units/kg/**day**) should be used with caution and only with documentation of 3-day fecal fat measures. Doses of lipase >6000 units/kg/meal are associated with colonic stricture and should be decreased.

**-Pancreatic insufficiency due to conditions such as cystic fibrosis:** Oral (Creon, Pancreaze, Pertzye, Ultresa, Zenpep): Initial: Lipase 500 units/kg/meal. Dosage range: Lipase 500-2500 units/kg/meal. Maximum: Lipase  $\leq$ 2500 units/kg/**meal** or lipase  $\leq$ 10,000 units/kg/**day** or lipase <4000 units/g of fat daily

**-Pancreatic insufficiency due to chronic pancreatitis or pancreatectomy:** Oral:

Creon: Lipase 72,000 units/meal while consuming  $\geq$ 100 g of fat daily; alternatively, lower initial doses of lipase 500 units/kg/meal with individualized dosage titrations have also been used

-Viokace (administer in combination with a proton pump inhibitor): Initial: Lipase 500 units/kg/meal. Dosage range: Lipase 500-2500 units/kg/meal. Maximum: Lipase  $\leq$ 2500 units/kg/**meal** or lipase  $\leq$ 10,000 units/kg/**day** or lipase <4000 units/g of fat daily

**Common side effect:**

Central nervous system: Headache (3% to 15%)

Gastrointestinal: Abdominal pain (3% to 18%)

Neuromuscular & skeletal: Neck pain (14%)

Otic: Ear pain (11%)

Respiratory: Nasal congestion (14%), beta-hemolytic streptococcal infection (11%)

Miscellaneous: Lymphadenopathy (11%)

**Pregnancy Risk Factor: C**