

# PANCREAS: ENDOCRINE & EXOCRINE REFERENCE

## Endocrine System (Hormonal)

Secretes directly into the bloodstream via Islets of Langerhans.

Cell Type	Hormone	Function
<b>Alpha (<math>\hat{I}\pm</math>)</b>	Glucagon	Raises blood glucose
<b>Beta (<math>\hat{I}^2</math>)</b>	Insulin	Lowers blood glucose
<b>Delta (<math>\hat{I}'</math>)</b>	Somatostatin	Inhibits insulin/glucagon
<b>F Cells</b>	Pancreatic Polypeptide	Regulates exocrine secretion

## Exocrine System (Digestive)

Secretes enzymes into the duodenum via the pancreatic duct.

Enzyme	Target	Action
<b>Amylase</b>	Starches	Breaks down carbohydrates
<b>Lipase</b>	Fats	Breaks down lipids
<b>Proteases</b>	Proteins	Trypsin & Chymotrypsin
<b>Bicarbonate</b>	Stomach Acid	Neutralizes pH levels

Anatomical Reference Template  $\hat{I}\hat{I}$  Exocrine (95% of tissue) / Endocrine (5% of tissue)