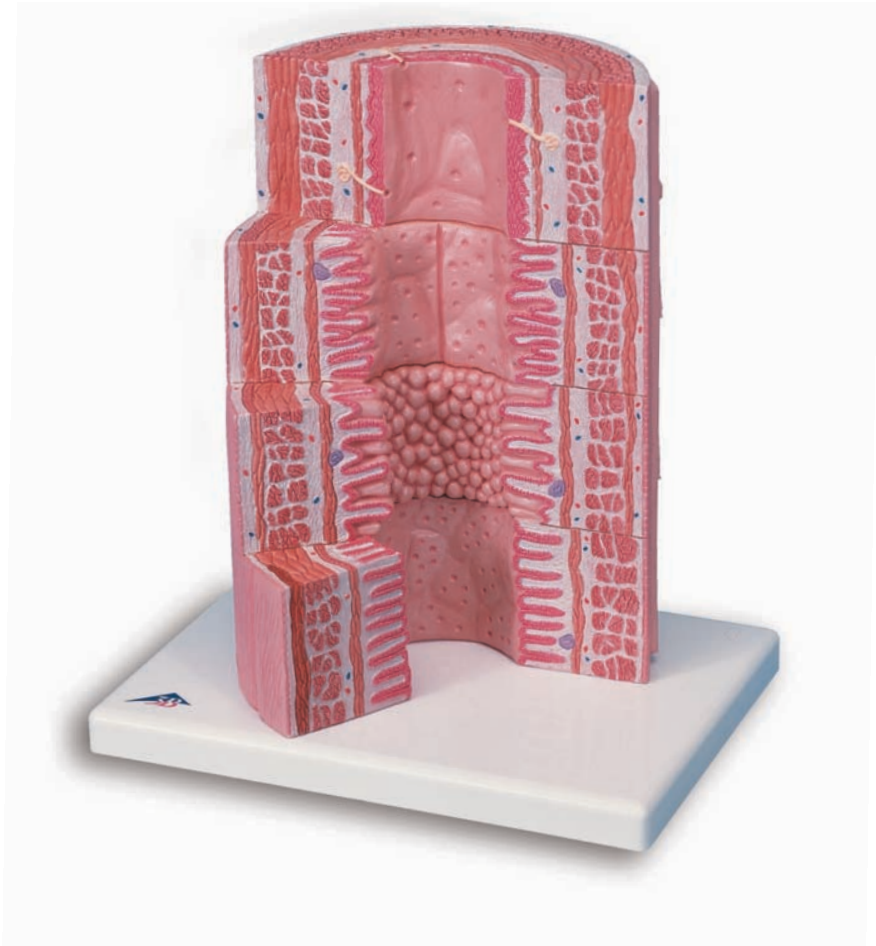


K23



Oesophagus

Tunica mucosa:

- 1 Epithelium mucosae (nonkeratinized squamous epithelium)
- 2 Lamina propria
- 3 Lamina muscularis mucosae
- 4 Tela submucosa
- 5 Glandula oesophagea

Tunica muscularis:

- 6 Stratum circulare
- 7 Stratum longitudinale
- 8 Tunica adventitia

Fundus gastricus

Tunica mucosa:

- 1 Epithelium mucosae (Foveola gastrica)
- 2 Lamina propria
- 3 Glandula gastrica
- 4 Lamina muscularis mucosae

Tela submucosa

Tunica muscularis:

- 6 Stratum circulare
- 7 Stratum longitudinale
- 8 Tunica adventitia

Tunica serosa

- 10 Peptic cell
- 11 Parietal cell
- 12 Mucous neck cell

Jejunum (Intestinum tenue)

Tunica mucosa:

- 1 Epithelium mucosae
- 2 Crypta
- 3 Lamina propria
- 4 Lamina muscularis mucosae

Tela submucosa

Tunica muscularis:

- 6 Stratum circulare
- 7 Stratum longitudinale
- 8 Tunica adventitia

Tunica serosa

- 10 Endocrine cell
- 11 Paneth's granular cell

Colon

Tunica mucosa:

- 1 Epithelium mucosae
- 2 Crypta
- 3 Lamina propria
- 4 Lamina muscularis mucosae
- 5 Tela submucosa

Tunica muscularis:

- 6 Stratum circulare
- 7 Stratum longitudinale
- 8 Tunica adventitia
- 9 Tunica serosa
- 10 Goblet cell
- 11 Enterocyte

The model illustrates the structure of the fine tissues of four characteristics sections of the digestive system:

- Esophagus
- Stomach
- Small intestine
- Large intestine

The structures of the walls of the digestive system are basically the same, but modified from section to section. The following layers can be found in all sections (from inside to outside):

- Tunica mucosa (mucous membrane):
Epithelium mucosae
Lamina propria
Lamina muscularis mucosae
- Tela submucosa (sub-mucous tissue)
- Tunica muscularis (muscular tunic):
Stratum circulare
Stratum longitudinale
- Tunica adventitia and Tela subserosa (external coat)
- Tunica serosa (serous tunic):
Lamina propria serosae
Lamina epithelialis

The front of the model, from top to bottom, shows a magnified view in histological section of the individual sections of the digestive system and their fine tissue structures.

On the back of the model, highly magnified views of didactically interesting areas of each of the digestive system sections shown on the front are emphasized.

A Esophagus [gullet]

Mucous membrane:

- 1 Outer mucous tissue (nonkeratinized squamous epithelium)
- 2 Actual mucous membrane
- 3 Muscle layer in the mucous membrane
- 4 Sub-mucous tissue
- 5 Esophageal gland

Tunica muscularis:

- 6 Circular layer
- 7 Longitudinal layer
- 8 External coat

B Fundus of stomach

Mucous membrane:

- 1 Outer mucous tissue (small depression in the mucous membrane of the stomach)
 - 2 Actual mucous membrane
 - 3 Mucous gland of the fundus of stomach
 - 4 Muscle layer in the mucous membrane
 - 5 Sub-mucous tissue
- ### Muscular tunic:
- 6 Circular layer
 - 7 Longitudinal layer
 - 8 External coat
 - 9 Serous tunic
 - 10 Peptic cell
 - 11 Parietal cell
 - 12 Mucous neck cell

C Jejunum (small intestine)

Mucous membrane:

- 1 Outer mucous tissue
 - 2 Crypt
 - 3 Actual mucous membrane
 - 4 Muscle layer in the mucous membrane
 - 5 Sub-mucous tissue
- ### Muscular tunic:
- 6 Circular layer
 - 7 Longitudinal layer
 - 8 External coat
 - 9 Serous tunic
 - 10 Endocrine cell
 - 11 Paneth's granular cell

D Colon

Mucous membrane:

- 1 Outer mucous tissue
 - 2 Crypt
 - 3 Actual mucous membrane
 - 4 Muscle layer in the mucous membrane
 - 5 Sub-mucous tissue
- ### Muscular tunic:
- 6 Circular layer
 - 7 Longitudinal layer
 - 8 External coat
 - 9 Serous tunic
 - 10 Goblet cell
 - 11 Enterocyte

