

Ques c) Campylobacter

* m/c sps. causes ds is C. jejuni.

* Causes Diarrhoea. (Clin. Manif.)

Δsis :

Microscopy

G/s → 'S' shaped org. (Gull wing shaped).

Hanging drop → Darting motility.

Culture

Selective → SKIRROW's Medium

⇓
Common for both Campylo & Helico Bacter.

Δsis:

Microscopy

Special stain - silver impreg stain

Warthin starr Silver Impregn. Method

Hanging Drop → Cork Screw Motility

Why? BCO_2 *H. pylori* is lophotrichous



⑤-⑦ sheathed flagella.

Culture

Skimow's Medium

ID

Diff. b/n Helico & Campylo-bacter

	Endoscopy biopsy.	
(i) <u>Rapid Urease Test</u> urea → ammonia + CO_2	⊕ve	⊖ve
(ii) <u>Urea Breath Test</u> (Refer Note)	⊕ve	⊖ve.
(iii) <u>Stool Ag Test.</u>	ELISA - Ag Present	No - Ag. shedding

Next Pg

* Non-Radioactive carbon (^{13}C) is used & detected by Mass spectrometer

ID

Methods/Test	Helicobacter	Campylobacter
i) Rapid Urease Test	Endoscopy Biopsy $\oplus$ ve.	$\ominus$ ve.
ii) Urea Breath Test	(Refer Note) $\oplus$ ve	$\ominus$ ve
iii) Stool Ag Test	Ag is shedded in stool can be found by ELISA	—