

Dr. Indira Kudva

Histopathology Results

IVOC samples

3-30-22

5-18-22

6/8/22

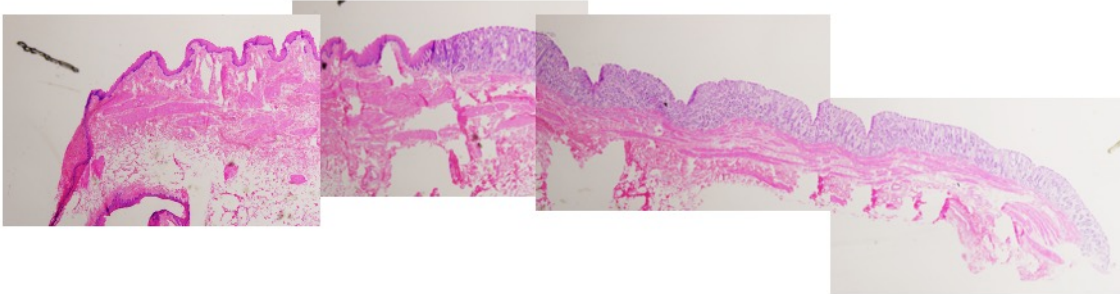
by

Dr. Mitchell Palmer

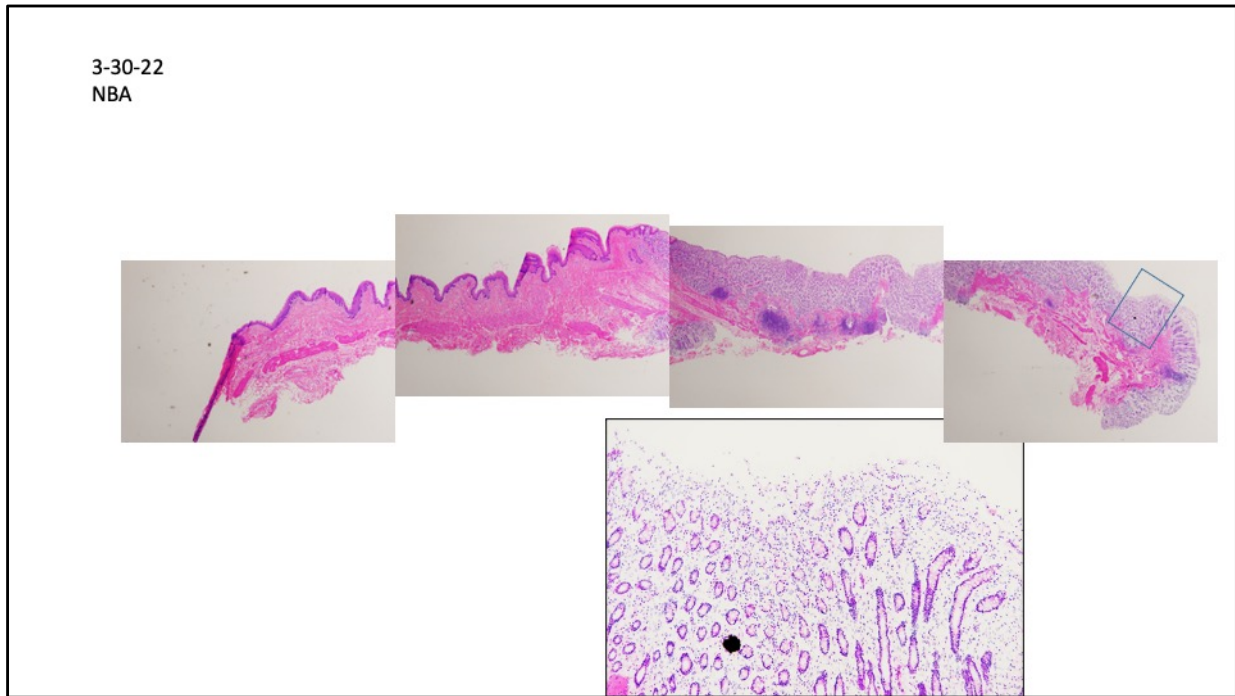
Summary

- Pre-assay sections have excellent tissue integrity in all regions.
- Of the sections with no bacteria, 2 of them have one to several small areas of superficial mucosal disruption in the columnar region.
- Of the sections with E. coli K12, 3 of them have one to several small areas of superficial mucosal disruption in the columnar region.
- Two sections containing ATCC/EDL933 have significant superficial mucosal disruption affecting 25->50% of length of the mucosa; other sections have multiple superficial mucosal disruptions.
- Squamous regions on all slides were unremarkable.

3-30-22
Pre-assay



3-30-22
Pre-assay
Excellent tissue integrity in all regions.



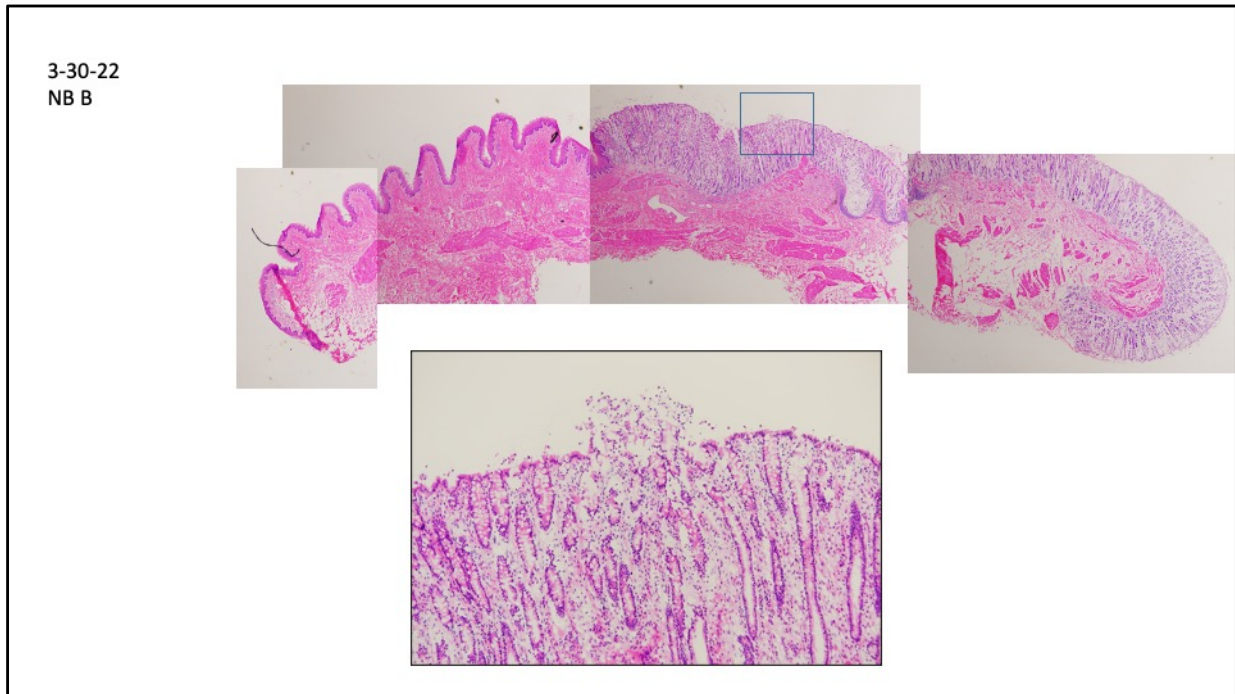
3-30-22

NBA

Small superficial disruption of mucosal epithelium.

Moderate amount of GALT.

Normal squamous region.



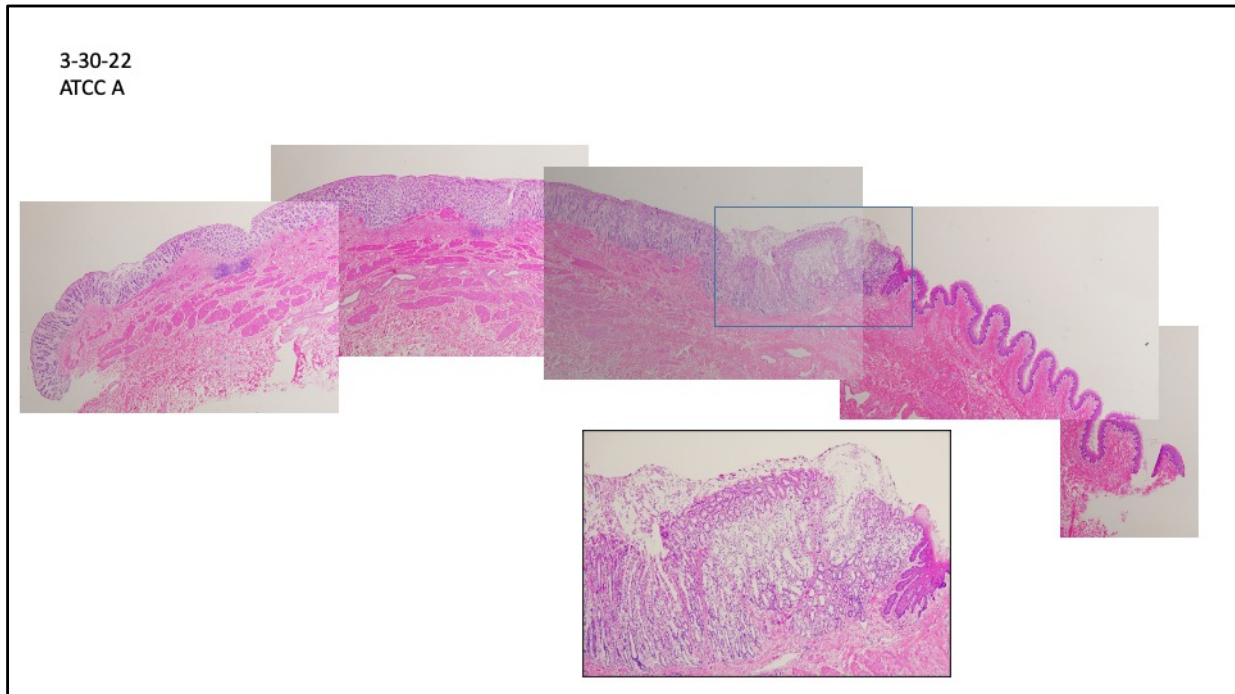
3-30-22

NB B

Several small superficial disruptions of mucosal epithelium in columnar region.

Moderate amounts of GALT.

Normal squamous region.



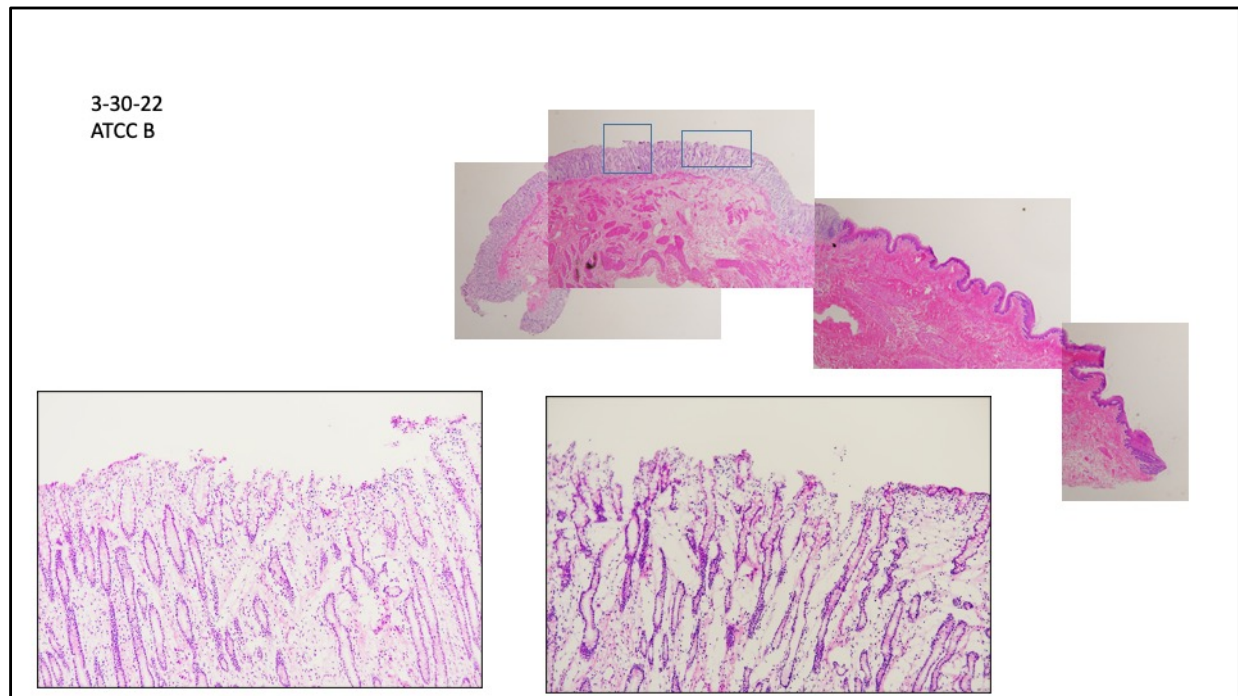
3-30-22

ATCC A

Multiple superficial to mid-level regions of mucosal disruption in columnar region.

Small amount of GALT.

Normal squamous region.



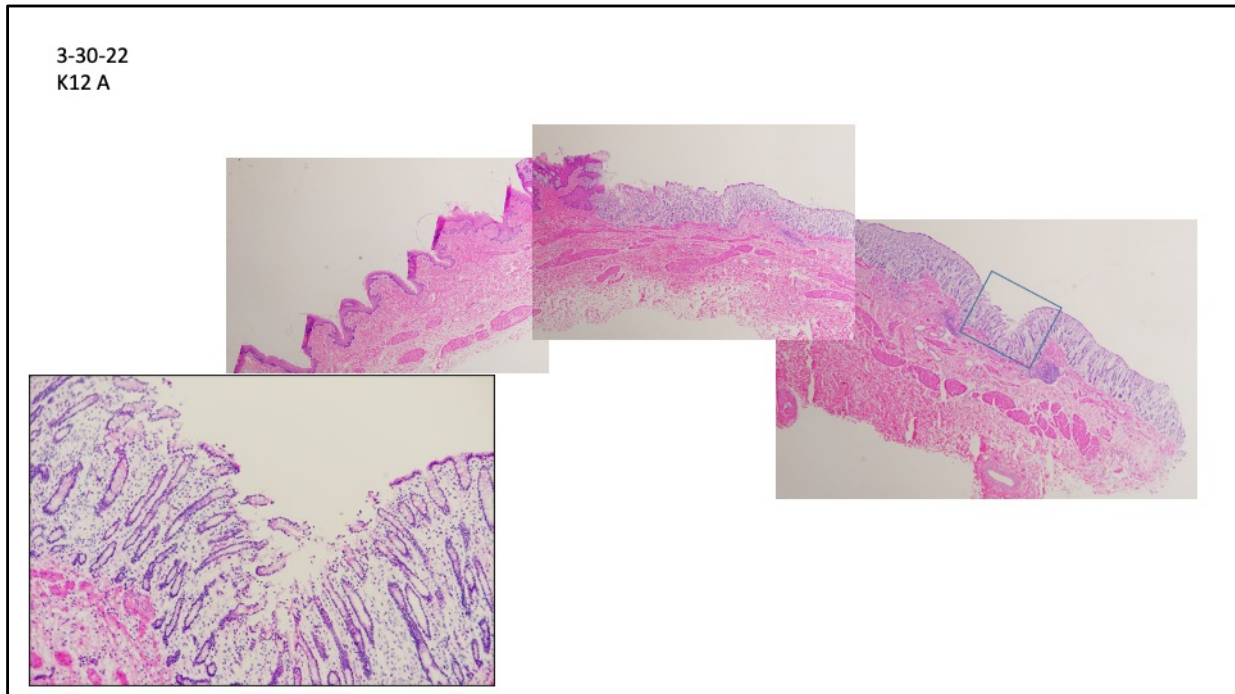
3-30-22

ATCC B

Multiple small areas of superficial mucosal disruption in columnar region.

Small amount of GALT.

Normal squamous region.



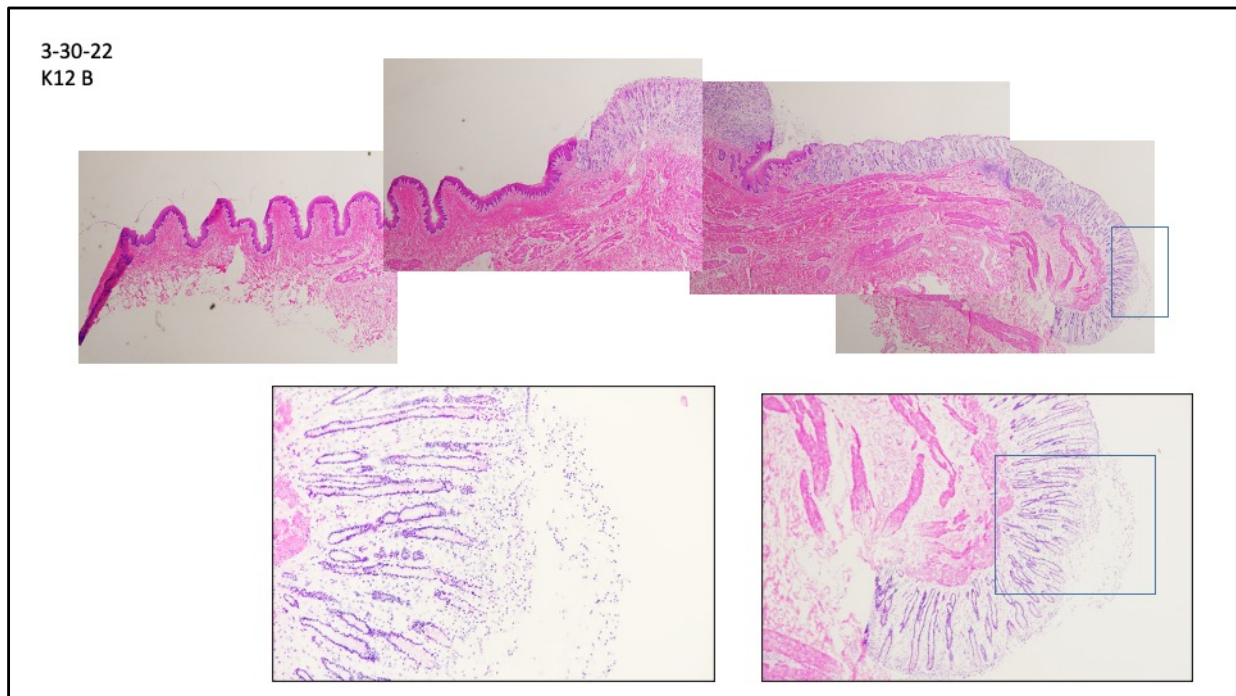
3-30-22

K12 A

Small superficial disruption of mucosa in columnar region.

Small amount GALT

Normal squamous region.



3-30-22

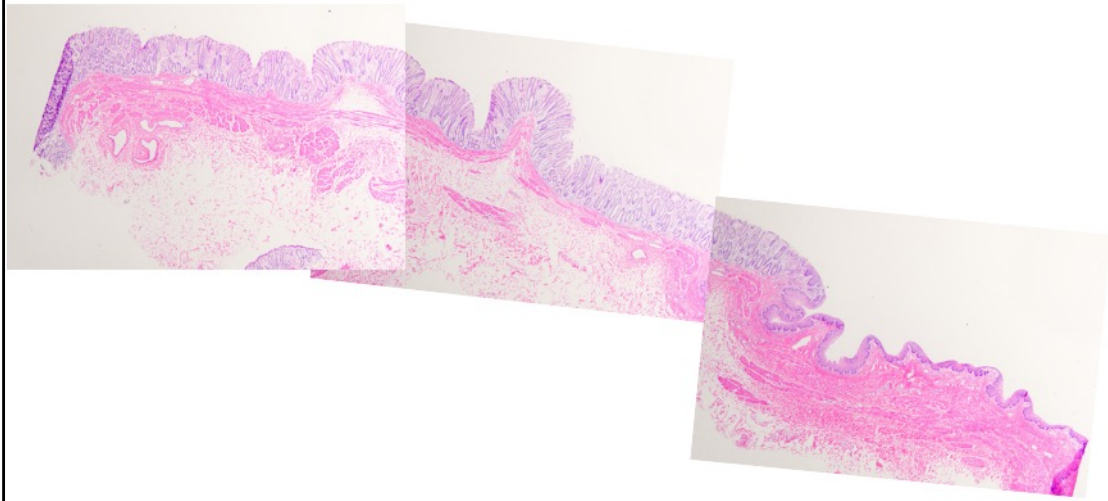
K12 B

Small superficial disruption of mucosa in columnar region.

Small amount of GALT.

Normal squamous region.

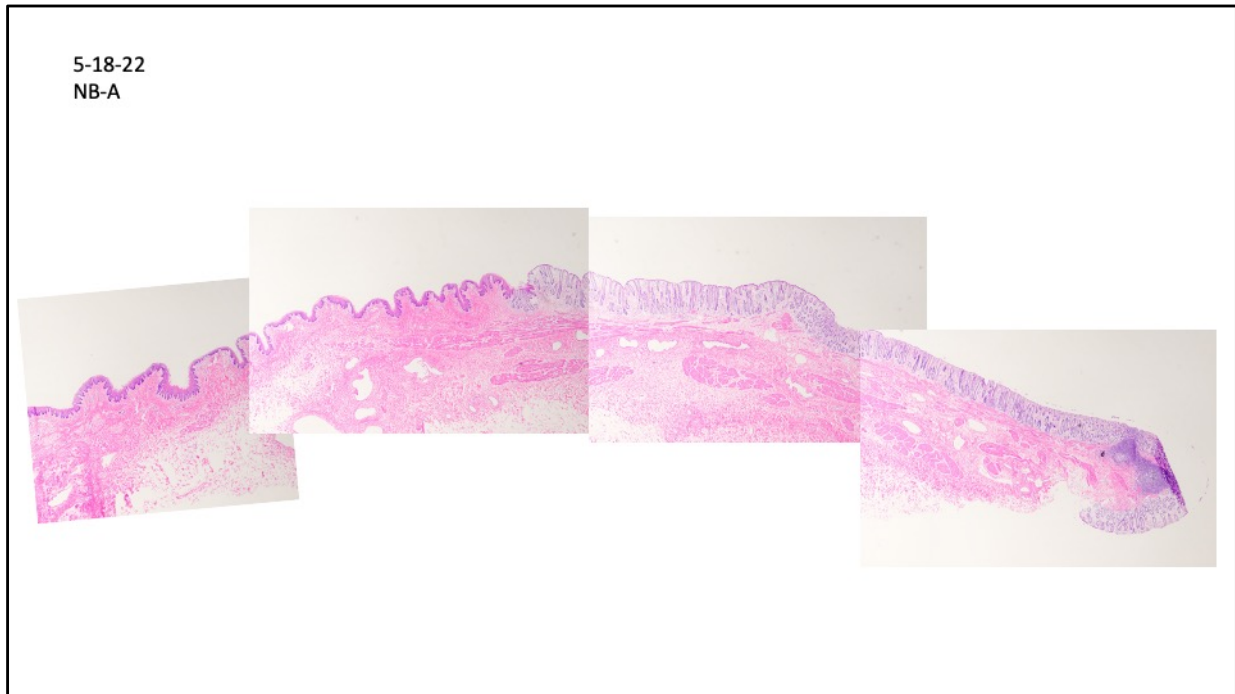
5-18-22



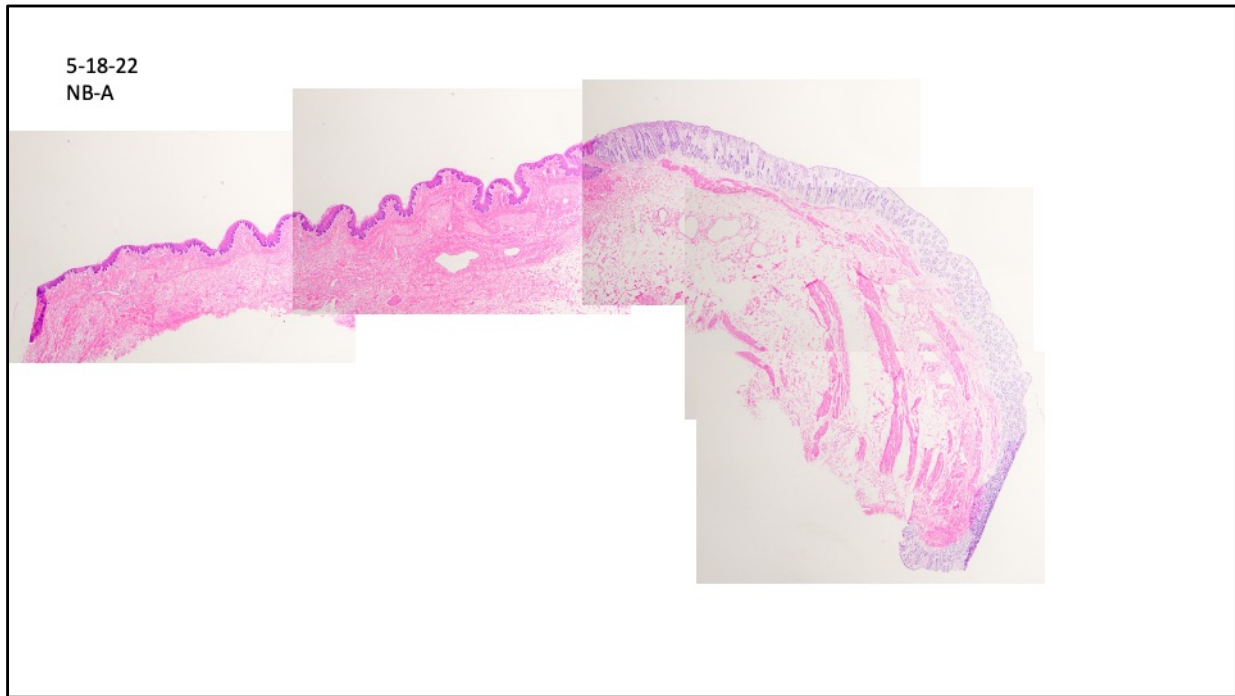
5-18-22

Pre-Assay

Excellent tissue morphology in all regions.

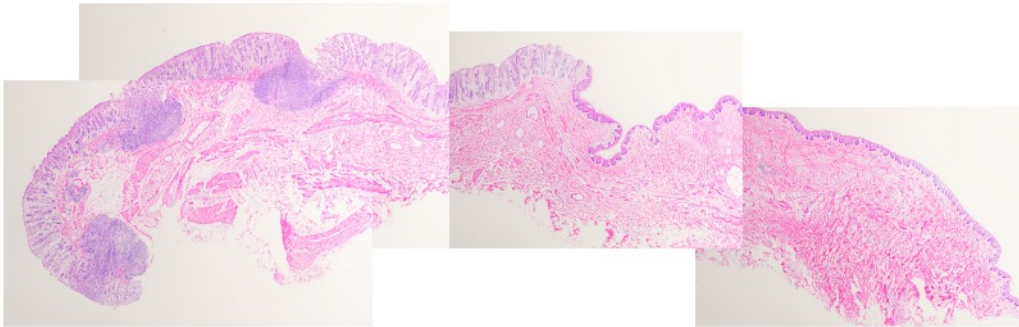


5-18-22
NB-A
Normal in all regions.
Small amount of GALT.



5-18-22
NB-B
Normal in all regions.
No GALT.

5-18-22
K12-A



5-18-22

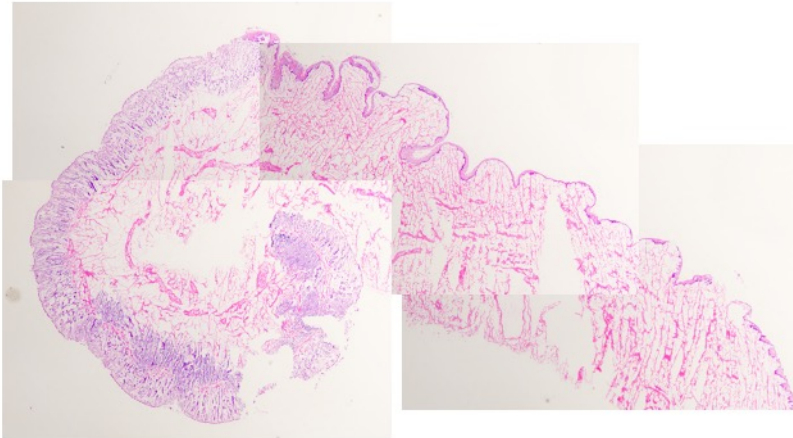
K12- A

Multiple small foci of superficial epithelial disruption.

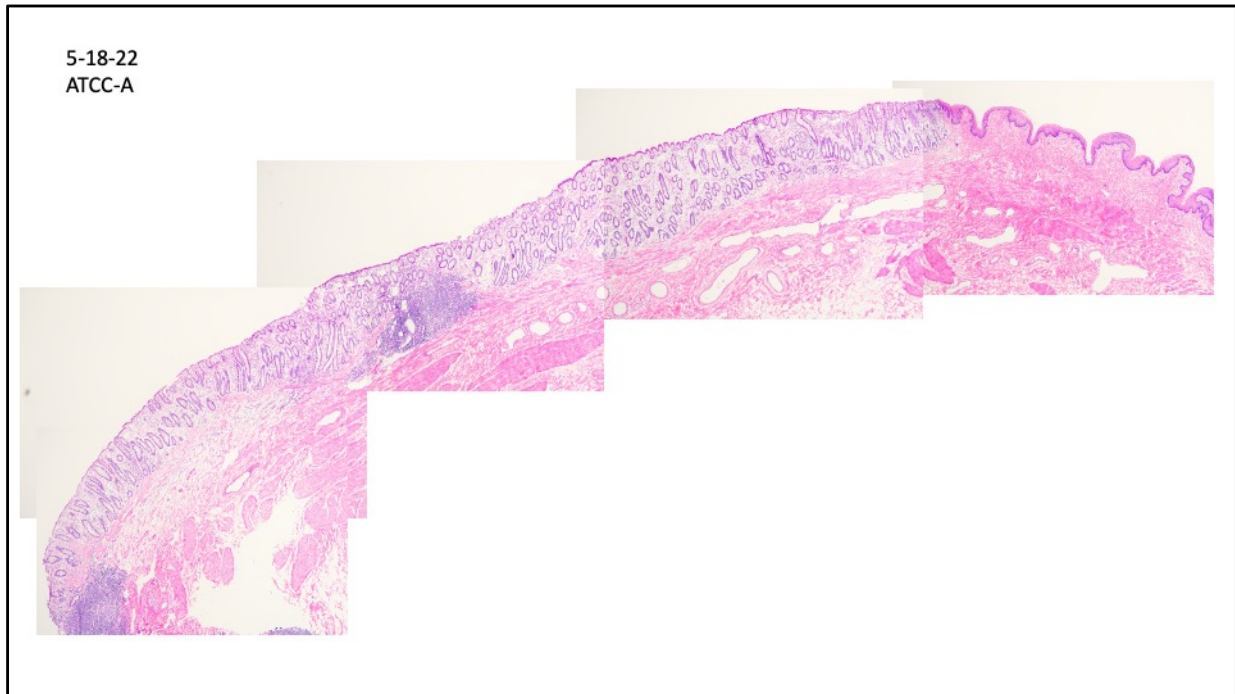
Moderate to large amount of GALT.

Normal squamous region.

5-18-22
K12-B

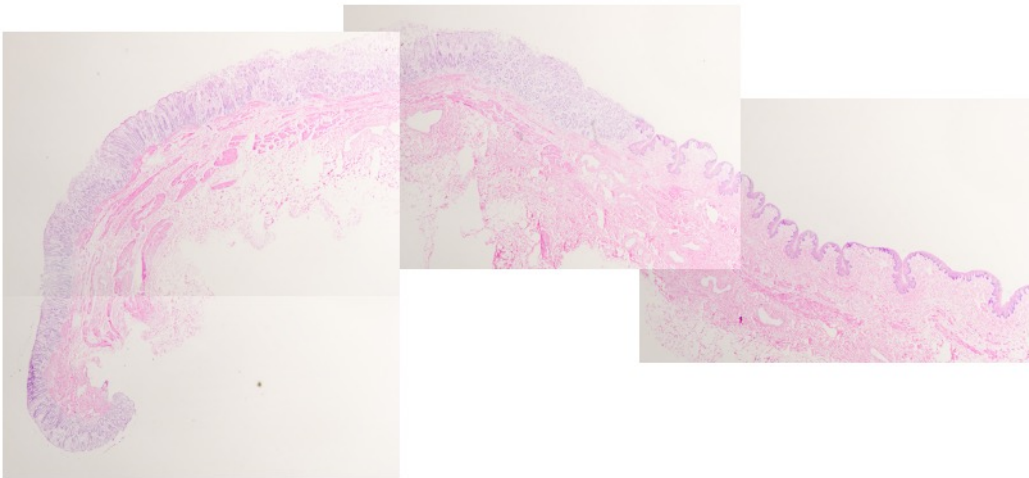


5-18-22
K12-B
Multiple foci of superficial epithelial disruption.
Moderate amount of GALT.
Freezing artifact.



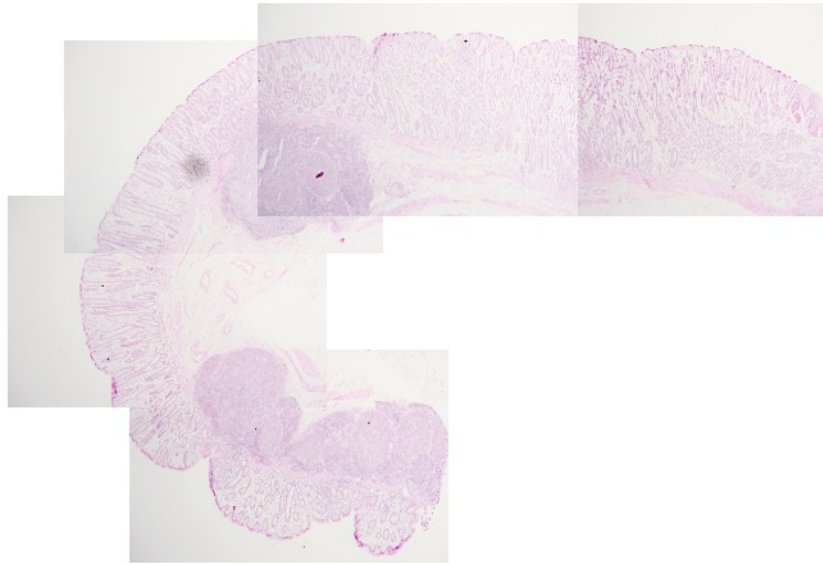
5-18-22
ATCC-A
Normal in all regions.
Small amount of GALT.

5-18-22
ATCC-B



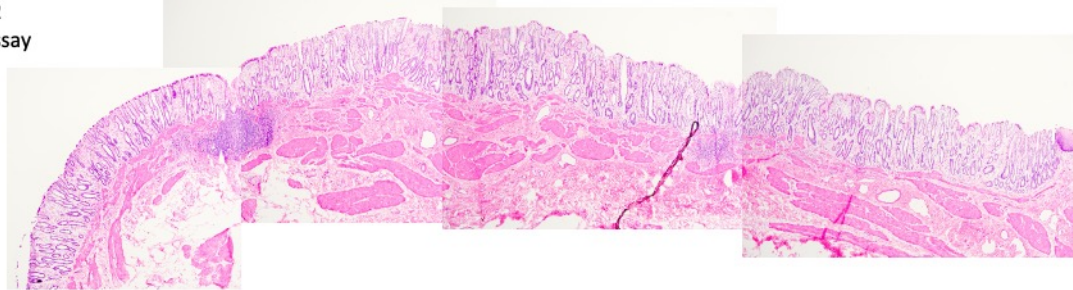
5-18-22
ATCC-B
Multiple foci of epithelial disruption.
No GALT.

IVOC
6-8-22
Pre-Assay



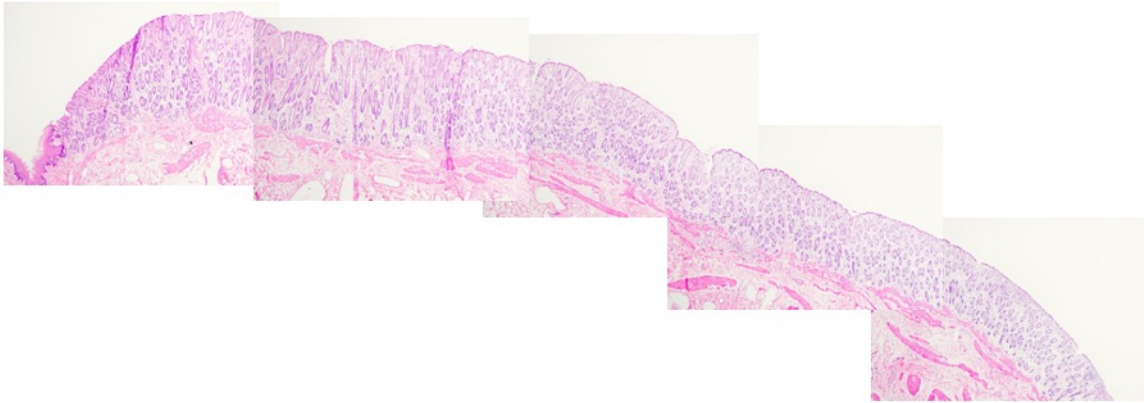
IVOC
6-8-22
Pre-Assay
Excellent tissue integrity in all regions.

IVOC
6-8-22
Pre-Assay



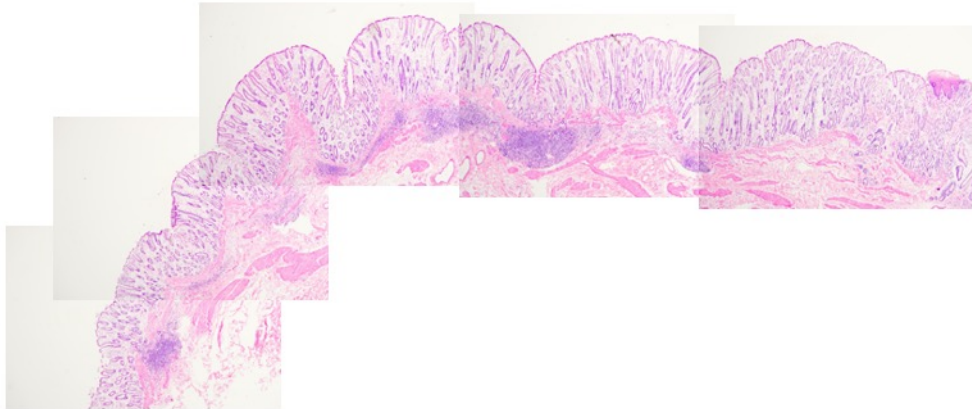
IVOC
6-8-22
Pre-Assay
Excellent tissue integrity in all regions.

IVOC
6-8-22
NB A



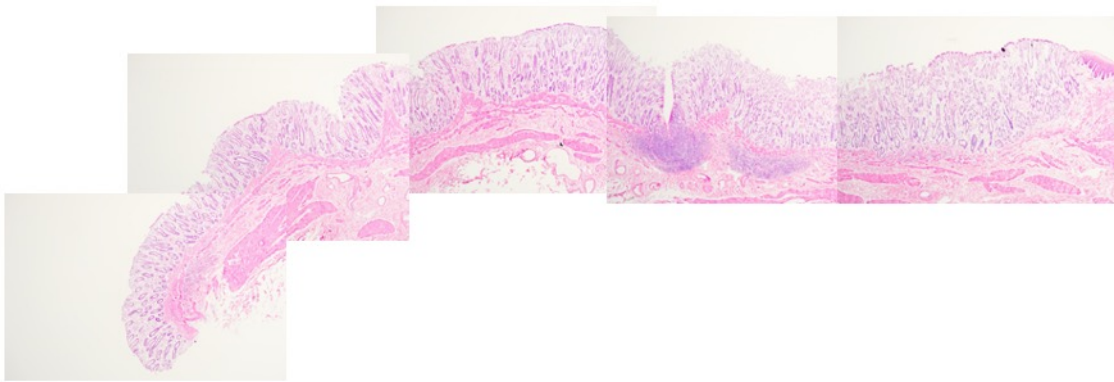
IVOC
6-8-22
NB A
Excellent tissue integrity in all regions.

IVOC
6-8-22
NB B



IVOC
6-8-22
NB B
Excellent tissue integrity in all regions.

IVOC
6-8-22
ATCC A



IVOC

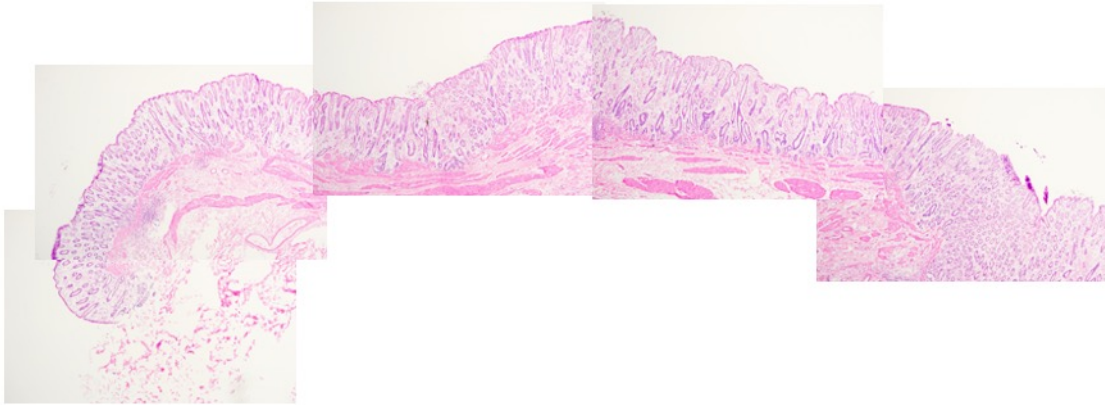
6-8-22

ATCC A

>50% of superficial epithelium disrupted in columnar region.

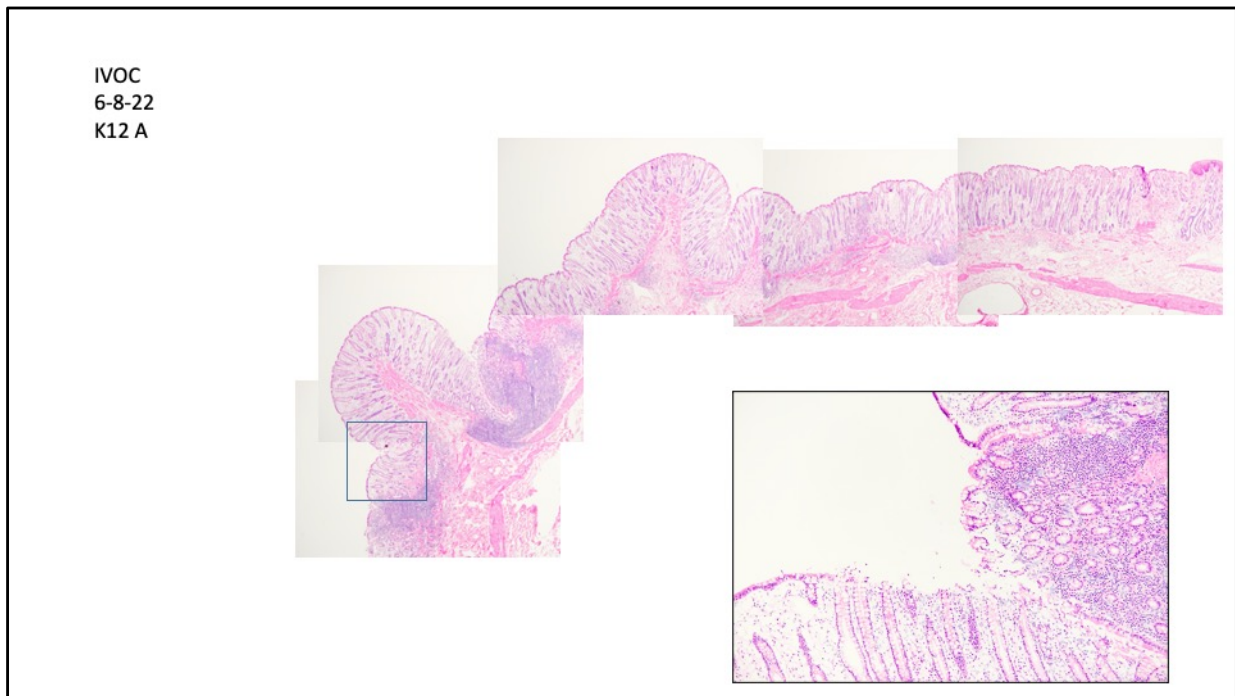
Normal squamous region.

IVOC
6-8-22
ATCC B



IVOC
6-8-22
ATCC B

Approx 25% of superficial mucosa disrupted in columnar region.
Normal squamous region.



IVOC
6-8-22
K12 A
Focal loss of superficial mucosa.
Normal squamous region.



IVOC
6-8-22
K12 B
Excellent tissue integrity in all regions.