

# Pathology Specimen Guide

Several factors can affect the success of the myChoice<sup>®</sup> CDx PLUS test

## Selection of optimal tissue specimens\*:

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- a. Specimens with at least 20% tumor to normal ratio
- b. A tissue block is preferred over slides when available.
  - At least one tumor block with a cross sectional area  $\geq 25\text{mm}^2$  that contains at least 40 microns of tumor should be chosen for shipment.
  - If only tumor slides are available, preparation instructions below should be followed:  
Cut and label one 5 $\mu\text{m}$  section for H&E staining on a charged slide.  
Cut and label 5 $\mu\text{m}$  sections on uncharged slides according to the table below:

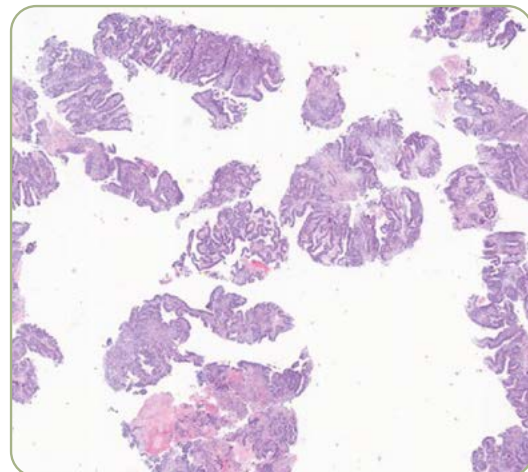
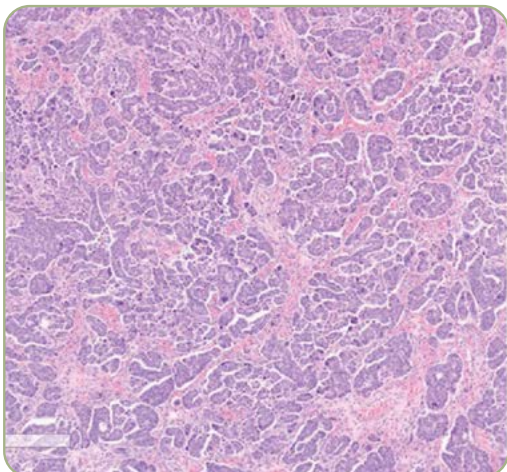
Area of tumor (mm <sup>2</sup> )	# of 5 $\mu\text{m}$ unstained slides
20-25	8
15-19	12
10-14	16
5-9	20

- c. Specimens that have been fixed <72 hours.  
(Under-fixation and over-fixation can result in DNA quality failures)

*\*Specimens that do not meet these criteria will be accepted but run a higher risk of failure.*

### THE FOLLOWING EXAMPLES ILLUSTRATE SPECIMEN FEATURES THAT ARE IDEAL

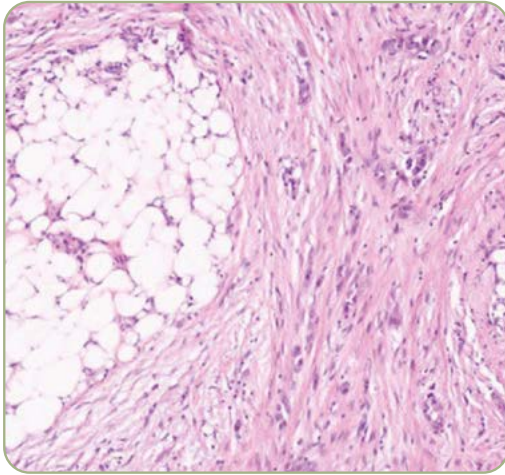
These specimens show high tumor percentage in comparison to normal tissue:



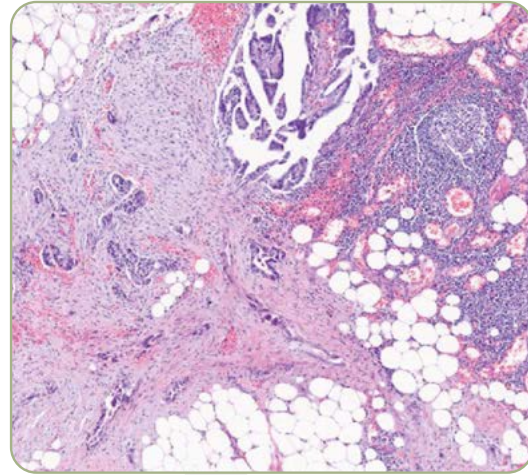
*NOTE: Tumor percentage is calculated as the number of malignant nuclei/number of all nuclei.*

THE FOLLOWING EXAMPLES ILLUSTRATE SPECIMEN FEATURES THAT ARE NOT RECOMMENDED

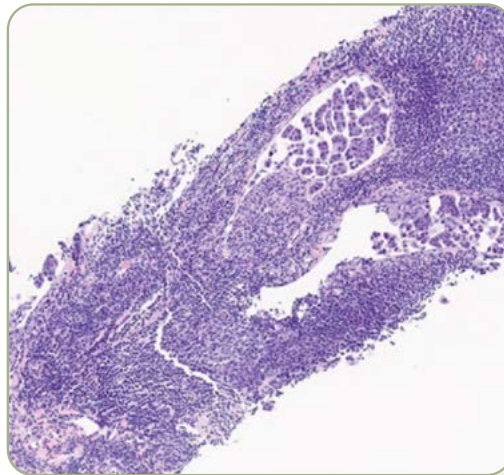
Omentum with marked stromal response



Omentum with marked inflammation and stromal response



Lymph nodes with lymphocytes that greatly outnumber tumor cells

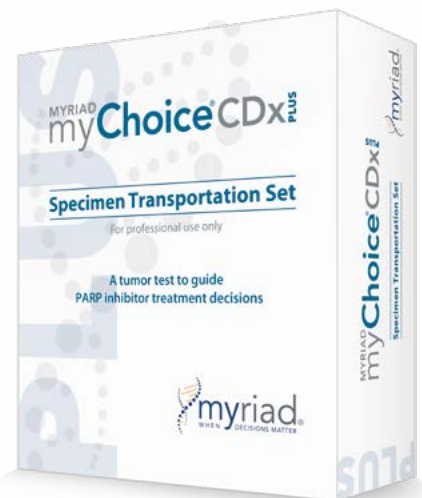


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## Tissue Remaining in the Block

Labs need to strike the appropriate balance between cutting enough tissue for diagnosis, and preserving enough tissue for ancillary testing.

Upon request on the Test Request Form (TRF), Myriad will send back remaining tissue as soon as the test result is reported.



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