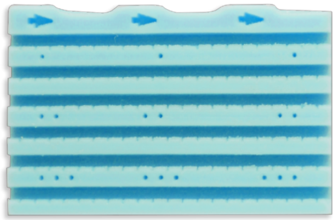
Mopec® | LUMEA

Introducing the BxChip

The enclosed slides were prepared from a BxChip®, a patented Sectionable Matrix® made by LUMEA. The BxChip® is designed to hold up to 6 biopsy cores throughout tissue processing, embedding, and slide preparation and has been proven to preserve specimen orientation, reduce core fragmentation, increase viewable surface area, and increase cancer detection.* Cores are placed in channels between labeled bands (• •• •••).

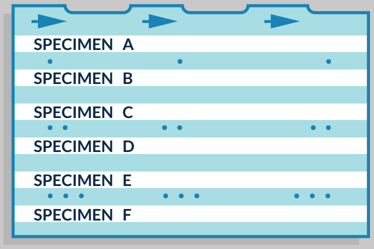


Location of Cores in a BxChip®

Prostate biopsy cores have been placed in specific channels of the BxChip®, depending on the number of prostate sites biopsied. One BxChip® can hold up to 6 specimens, resulting in two BxChips® being used for a typical 12-part patient encounter (one for left and one for right). Note that without the BxLink® software, the benefits of automated quantification, site identification, and other features of the system will not be realized.

Refer to the following diagrams to determine the location of biopsy cores in the BxChip® for routine sampling.
Please be careful to confirm the specimen locations for this particular case.

prostate biopsy 12 Site

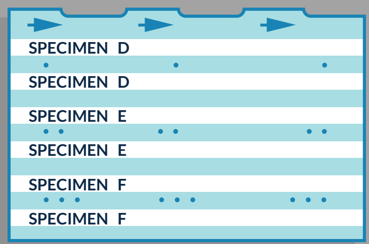


Left BxChip™

Left BxChip™

prostate biopsy 6 Site

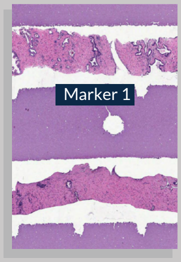
Right BxChip™

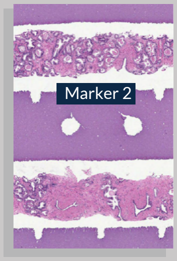


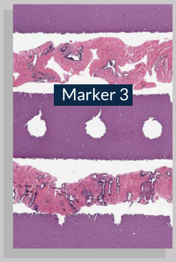
Right BxChip™

How to Read BxChip® Slides

The H&E slide will look like this under the microscope: If grooves were left empty, either **1)** no biopsy specimens were submitted for that given site or **2)** the number of biopsy cores taken from that given site exceeded the number of BxChip® grooves allotted for that site.
In that case, refer to additional slides containing the specimens from that site.







* Murugan P et atl. An innovative model for reducing cost, decreasing test time, and improving diagnostic material. Am J Clin Pathol 2019, 1-12. DOI: 10.1093/AJCP/AQZ101.
*Wojno K, et al Mp16-19 BxChip® clinical tissue array increases cancer detection rate & amount of tissue available for pathologist review. The Journal of Urology. 2016;195(4). doi:10.1016/ j.juro.2016.02.2584.

If you have any additional questions about the BxChip®, contact LUMEA
844-960-3658 | www.LumeaDigital.com