



PCA3 detects the presence of cell-associated PCA3 mRNA expressed in urine. PCA3 mRNA is expressed almost exclusively by prostate cells and has been shown to be highly over-expressed in prostate cancer cells. After a DRE and/or needle core prostate biopsy prostate cells are released into the urine. The over expression of PCA3 mRNA triggers the need for closer follow up by the physician and possible re-biopsy

- 1 The PCA3 should be collected at the time of biopsy and will be run at Mosaic Diagnostics based on the biopsy result as seen in the algorithm above.
- 2 HGPIN can be rebiopsied on the diagnosis alone especially if it is multifocal. OR use PCA3 to help support re-biopsy decision.
- 3 Current data supports the need to rebiopsy based on an ASAP diagnosis. PCA3 could be considered especially to rule out the need for a rebiopsy if the patient has specific contraindications to the rebiopsy.

