

## RareCyte Test Menu – Liquid Biopsy

Number	Name	Biomarkers	Specimen	Description
1200-LA	CTC Enumeration - Leica	CK/EpCAM, CD45, Nucleus	Whole Blood	Enumeration of CTCs in whole Blood utilizing Leica® BOND® RX
1200-VA	CTC Enumeration - Ventana	CK/EpCAM, CD45, Nucleus	Whole Blood	Enumeration of CTCs in whole Blood utilizing Ventana® DISCOVERY® ULTRA (CLIA assay)
0900-LB	CTC Enumeration - Leica	CK/EpCAM, CD45, Nucleus	Whole Blood	Enumeration of CTCs in whole Blood utilizing Leica BOND RX
0900-VB	CTC Enumeration - Ventana	CK/EpCAM, CD45, Nucleus	Whole Blood	Enumeration of CTCs in whole Blood utilizing Ventana DISCOVERY ULTRA
09-LB	Rare cell enumeration - Leica	Open, can be CK/EpCAM or other, can be human CD45 or mouse	Whole Blood	Enumeration of CTCs or other rare cells in human or mouse PDX Whole Blood samples utilizing Leica BOND RX
0901-VB	CTC Enumeration, HER2/ER	CK/EpCAM, CD45, Nucleus, HER2, ER	Whole Blood	Enumeration of CTCs and associated HER2/ER expression utilizing Ventana DISCOVERY ULTRA
0904-LB	CTC Enumeration, AR/ARv7	CK/EpCAM, CD45, Nucleus, AR, ARv7	Whole Blood	Enumeration of CTCs and associated AR/ARv7 expression utilizing Leica BOND RX
0912-VB	CTC Enumeration, PD-L1	CK/EpCAM, CD45, Nucleus, PD-L1	Whole Blood	Enumeration of CTCs and associated PD-L1 expression utilizing Ventana DISCOVERY ULTRA (one open channel available)
0913-LB	CTC Enumeration, ARv7	CK/EpCAM, CD45, Nucleus, ARv7	Whole Blood	Enumeration of CTCs and associated ARv7 expression utilizing Leica BOND RX (one open channel available)
0919-LB	CTC Enumeration, ARv7/SYP	CK/EpCAM, CD45, Nucleus, ARv7, Synaptophysin	Whole Blood	Enumeration of CTCs and associated ARv7/SYP expression utilizing Leica BOND RX
0920-VB	CTC Enumeration, SYP	CK/EpCAM, CD45, Nucleus, Synaptophysin	Whole Blood	Enumeration of CTCs and associated SYP expression utilizing Ventana DISCOVERY ULTRA (one open channel available)
0921-LB	CTC Enumeration, PSMA/ARv7	CK/EpCAM, CD45, Nucleus, PSMA, ARv7	Whole Blood	Enumeration of CTCs and associated PSMA/ARv7 expression utilizing Leica BOND RX
NA	Custom Tests	CK/EpCAM, CD45, Nucleus, Biomarker 1, Biomarker 2	Whole Blood	Enumeration of CTCs and associated Biomarker 1, Biomarker 2 expression utilizing Ventana DISCOVERY ULTRA
NA	Custom Tests	CK/EpCAM, CD45, Nucleus, Biomarker 1, Biomarker 2	Whole Blood	Enumeration of CTCs and associated Biomarker 1, Biomarker 2 expression utilizing Leica BOND RX
NA	Custom Tests	Open	Whole Blood	Development of assay to detect novel cell population including WBC subtypes, fetal cells, etc. Can also include biomarker analysis on cells of interest.
NA	Single cell picking	Open	Whole Blood, tissue	Single cell isolation from Whole Blood samples or microregion picking from tissue samples for downstream molecular characterization
NA	Sequencing	Open	Whole Blood, tissue	Single cell DNA, tissue microregion DNA or cfDNA NGS using Paragon OncoZoom Cancer Hotspot panel
NA	Sample processing	NA	Whole Blood, bone marrow	Processing samples from liquid form to single cell buffy coat monolayer on microscope slides