

Patient NAME Ms Jane Doe	DATE OF BIRTH 1992-Jun-12	DISEASE Breast	STAGE II	Physician NAME Administrator
SPECIMEN 20ml Blood	VIAL IDs 1			

REPORT SUMMARY

CTCs COUNT: Isolated 3.3 cells/7.5 ml , SD +/- 0.3 cells

Information

Laboratory Process

Isolation of malignant cells using flow cytometry with which the circulating tumor cells are enumerated and immunophenotyped

Index of circulating cells number

If over limit: Advanced or progression of disease.

If less than limit: Early disease or disease is responding to a treatment plan

Breast Cancer	< 5 cells / 7.5 ml
Prostate Cancer	< 20 cells / ml
Sarcoma	< 15 cells / 6.5 ml
Colon Cancer	< 5 cells / ml
Lung Cancer	(Lc=0, r=0.99):< 10 cells / ml

All cancer types other than those listed above should be < 5 cells / ml

Disclaimers

*This test will NOT DETECT cancers of the brain or other cancers that have been "encapsulated" by the body, not releasing circulating tumor or stem cells (CTC, CSC) into the blood stream or if any of these cells are dormant. We still recommend the use of biopsy, blood markers and/or various scans with this test when cancer is suspected or known to exist. No test is 100% accurate

*The methodology has a sensitivity of 86,2% and specificity of 83,9%

Markers

Name	Category	Results
CD34	Significant CD45 positive cells (Hematologic origin cells)	Negative
CD133 CD44	CD45 negative cells (non Hematologic origin)	Positive (25% of all CTC) Negative

Index of markers

CD45	Hematologic origin cell marker
CD133, CD44	Tumor stem cell marker
CD34	Hematological stem cell and blast cell marker, epithelioid sarcoma marker

Sincerely,

Dr. Ioannis Papatiriu MD, PhD, SCym

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