

Florina , __/__/2012

Dear Colleague,

We send you the results from the analysis on a patient Ms/ Mr _____ suffering from sarcoma carcinoma stage _____. The sample of 20ml of whole blood that contained EDTA-Ca as anti-coagulant, and packed with an ice pack .

In our laboratory we made the following:

- We isolated the malignant cells using Oncoquick with a membrane that isolates malignant cells from normal cells after centrifugation and positive and negative selection using multiple cell markers .

The results during the isolation procedure are presented below :

Table of markers:

CD45 positive cells (Hematologic origin cells)		CD45 negative cells (non Hematologic origin)	
Nanog	NEGATIVE	Nanog	POSITIVE
OKT-4	NEGATIVE	OKT-4	NEGATIVE
Sox-2	NEGATIVE	Sox-2	POSITIVE
		CD99	Dim_POSITIVE
		EpCam	NEGATIVE
		CD133	NEGATIVE
		c-MET	NEGATIVE
		CD31	NEGATIVE
		PanCK	NEGATIVE
		NSE	POSITIVE
		Vimentin	POSITIVE
		Synaptophysin	Dim_POSITIVE

Index of marker: CD45:Hematologic origin cell marker, CD133, Sox-2, OKT-4, Nanog : tumor stem cell marker , CD31 : endothelial cell membrane antigen , CD99, Vimentin, Synaptophysin, NSE : sarcoma membrane marker , EpCam : Epithelial origin marker , PanCK : epithelial origin marker , c-MET : membrane antigen that regulates the mesenchymal to epithelial transistion.

Conclusion: We notice that after isolation procedure there are remaining malignant cells. The concentration of these cells was ____cells/ml, SD +/- 0.3cells.

Sincerely,

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Index of circulating cells number: (upper limit : progress of disease, lower than limit: beginning of disease or stable of disease when the patient is on treatment plan)

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

*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.

Ms / Mr _____

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