



Patient ID C7028846-001944	Patient Name TESTING, 89027	Birth Date 1981-08-01	Gender F	Age 31
Order Number R1057715	Client Order Number R1057715	Ordering Physician ,	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Jul 2013 08:45		

Ki-67(MIB-1), Breast IHC, Automated

Interpretation:

MCR

Ki-67 (MIB-1), Breast IHC, Automated:

Source: Breast, right sided, biopsy, block S13-4348
Proliferation index Ki-67 (MIB-1) = 37.6%.

Ki-67 (MIB-1) proliferation data must be interpreted within the clinical context for which the test was ordered. Recent studies have suggested that Ki-67 (MIB-1) analysis of paraffin-embedded breast cancer tissue specimens may provide useful prognostic information.

1. Urruticoechea A, Smith IE, Dowsett M. Proliferation marker Ki-67 in early breast cancer. J Clin Oncol 2005 Oct 1;23(28):7212-7220 2. de Azambuja E, Cardoso F, de Castro G Jr, et al. Ki-67 as prognostic marker in early breast cancer: a meta-analysis of published studies involving 12,155 patients. Br J Cancer 2007 May 21;96(10):1504-1513 Epub 2007 Apr 24

Method: Immunohistochemical staining of the Ki-67 antigen in formalin-fixed paraffin-embedded tissue sections has been validated by our laboratory, using the MIB-1 clone and a proprietary detection system. All controls show appropriate reactivity. Ki-67 (MIB-1)-stained-slides are scanned using the Aperio ScanScope instrument, which captures digital images of the patient slide. A technologist views the digitized image on a computer monitor and using a tracing tool available in ImageScope (Aperio Technologies Inc), traces around areas of invasive or metastatic cancer capturing no less than 75% of the total cancer within the image. The traced areas are then analyzed using an image analysis algorithm that renders the percentage of positive-staining tumor nuclei. The slides and test results are then reviewed by a pathologist who provides a final interpretation.

Laboratory Developed Test

Accession Number

MCR

HR13-255

Referring Pathologist/Physician

MCR

Doctor Test Jr., M.D.

Ref Path/Phys Address

MCR

Methodist Hospital
200 1st Street SW
Rochester, MN 55905
507-266-0740

Material:

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right breast - 1 block (S13-4348)

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905



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Tissue:

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A:Breast, right sided, mass at 10 o'clock, ultrasound guided needle core biopsy

SP Signing Pathologist:

MCR

7/1/2013 10:19 Interpreted by: Pathologist X. Test, M.D.

Report electronically signed by Angie S. Beckel

Transcribed by: asa05 7/1/2013 09:59:42

Received: 01 Jul 2013 09:16

Reported: 01 Jul 2013 10:19

QA Environment

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905