**ONCOLOGY** 



Understanding the EndoPredict® Test Report

**ENDOPREDICT® IS A GENOMIC TEST FOR WOMEN** WITH ER+/HER2-, EARLY-STAGE BREAST CANCER

This guide is not medical advice and is intended to help you understand your patient's EndoPredict results.



### What Does EndoPredict® Do?

EndoPredict provides three separate results you and your patient can use when determining the treatments that are right for her. **These three results answer the following questions:** 

- What is the chance that her cancer will return within 10 years?
- How will her cancer potentially respond to chemotherapy?
- Can she safely stop hormone treatment (aka endocrine therapy) at five years?

EndoPredict measures the activity of 12 genes in your patient's tumor that are associated with the risk of her cancer returning and the likelihood it will respond to chemotherapy.<sup>1,2</sup> This molecular result is combined with tumor size and nodal status to create an EPclin Risk Score. Your patient's individualized EPclin Score will estimate if her cancer is at low (<10%) or high (≥10%) risk of coming back in the next 10 years.

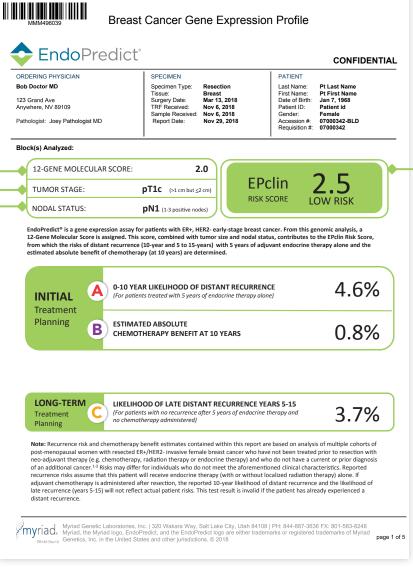
The EndoPredict test report includes a summary page and three separate results

### **EXAMPLE OF A LOW RISK RESULT SUMMARY PAGE**

Your patient's
12-gene molecular
score, tumor size/stage,
and nodal status are shown
here. These 3 components
are combined to give the
EPclin Risk Score.

# WHAT RESULTS DOES ENDOPREDICT PROVIDE?

- A Risk of distant recurrence in years 0-10
- B Absolute benefit from chemotherapy
- Risk of late recurrence in years 5-15.



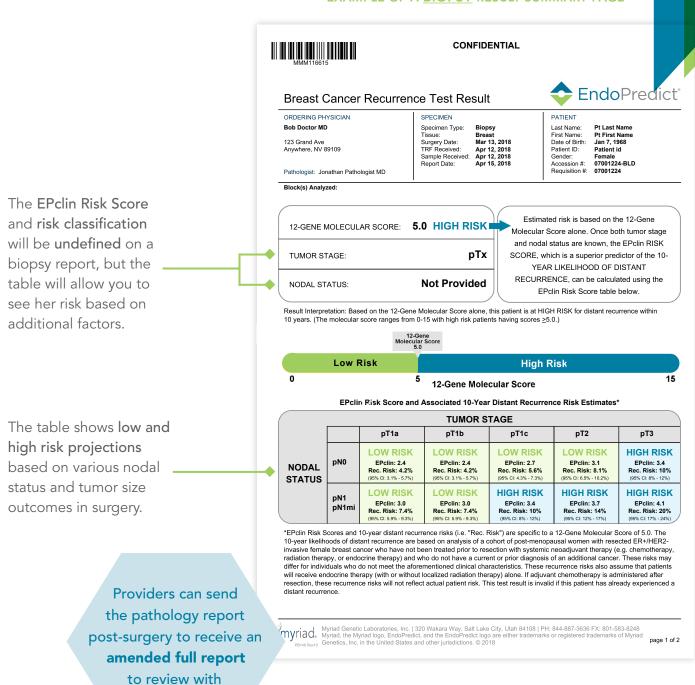
The EPclin Risk Score
can range from
1.0 to 6.0. Scores of 3.3
or less mean the cancer
is at LOW RISK (<10%)
of coming back while
scores of 3.4 or more
mean the cancer is at
HIGH RISK (≥10%) of
coming back.



### EndoPredict can be ordered on biopsy to provide you with accurate results

**even faster.** When ordering on biopsy, your patient's report will still provide a molecular score, but it will not have the EPclin Risk Score. This report will provide a table showing her risk score projections based on the molecular score and their nodal status and tumor size that will be obtained from the pathology report after surgery.

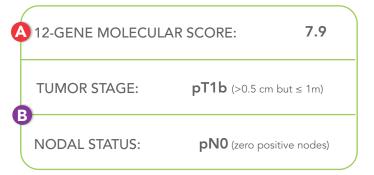
### **EXAMPLE OF A BIOPSY RESULT SUMMARY PAGE**



their patient.

# EndoPredict combines a 12-gene molecular score with tumor size and nodal status to provide more prognostic power. <sup>6,7</sup>

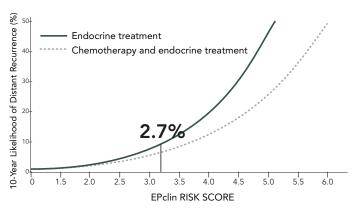
Even as the 12-gene Molecular Score (A) remains consistent, as Tumor Stage and Nodal Status (B) change, the EPclin Risk Score (C) is affected to be High or Low Risk.





Result Interpretation: An EPclin Score of 3.2 is categorized as LOW RISK and is associated with a 8.9% (95% CI: 7.2% - 11%) 10-year likelihood of experiencing a distant recurrence.

ESTIMATED ABSOLUTE CHEMOTHERAPY
BENEFIT AT 10 YEARS
2.7%



A 12-GENE MOLECULAR SCORE: 7.9

TUMOR STAGE: pT2 (>2 cm but ≤5m)

B

NODAL STATUS: pN0 (zero positive nodes)

EPclin RISK SCORE

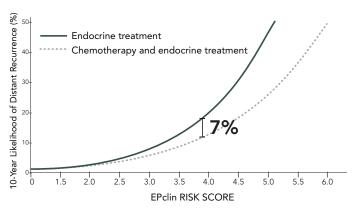
3.9
HIGH RISK

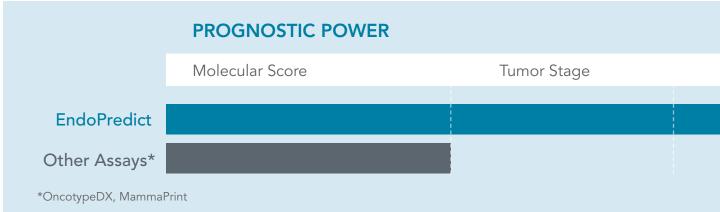
10-YEAR LIKELIHOOD OF DISTANT RECURRENCE
17%
HIGH RISK

Result Interpretation: An EPclin Score of 3.9 is categorized as HIGH RISK and is associated with a 17% (95% CI: 14% - 20%) 10-year likelihood of experiencing a distant recurrence.

7%

ESTIMATED ABSOLUTE CHEMOTHERAPY BENEFIT AT 10 YEARS







# How Will My Patient's Cancer Potentially Respond to Chemotherapy?

Page three of the EndoPredict report provides a 10-year absolute chemotherapy benefit. This shows how much adding chemotherapy to five years of hormone (aka endocrine) therapy will reduce the likelihood of your patient's cancer coming back within ten years of diagnosis.<sup>2</sup>

### Initial Treatment Planning Adjuvant Chemotherapy Benefit EndoPredict\* Name: Last Name, First Name DOB: Jan 7, 1968 Accession #: 07001035-BLD Report Date: Jan 5, 2018 12-GENE MOLECULAR SCORE: 2.0 **EPclin pT1c** (>1 cm but ≤2 cm) TUMOR STAGE: NODAL STATUS: Result Interpretation: At 10 years, an EPclin Risk Score of 2.5 is associated with an estimated 0.8% (95% CI: 2.3% - 1.0%) absolute benefit from chemotherapy, when used in combination with 5 YEARS ENDOCRINE THERAPY endocrine treatment, compared to endocrine treatment alone PREDICTION OF CHEMOTHERAPY BENEFIT AT 10 YEARS € 100 Endocrine treatment 10-Year Likelihood of Distant Recurrence - - Chemotherapy and endocrine treatment 80 60 В 40 0.8% 4.0 4.5 3.5 5.0 **FPclin RISK SCORE** ESTIMA TED ABSOLUTE CHEMOTHERAPY BENEFIT AT 10 YEARS 0.8% myriad Myriad Genetic Labo Myriad, the Myriad Id

**EXAMPLE OF A LOW RISK RESULT - 3RD PAGE** 

Your patient's benefit from chemotherapy is shown on the graph and in the grey box.

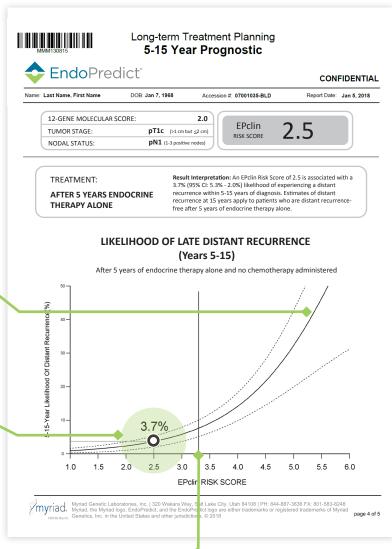


- A The solid line shows the 10-year risk of cancer coming back when treated with only 5 years of hormone therapy
- B The dashed line shows the 10-year risk of cancer coming back when treated with chemotherapy plus 5 years of hormone therapy
- The difference between these two lines is your patient's benefit from chemotherapy based on her **individualized** EPclin score

## Can My Patient Safely Stop Hormone Treatment at Five Years?

Page four of the EndoPredict report helps inform long-term treatment decisions and provides a likelihood of late distant recurrence - this is the risk that your patient's breast cancer will return in a part of their body other than the breast in years five through fifteen.<sup>3</sup> This risk estimate assumes that your patient will take hormone (aka endocrine) treatments as prescribed for the first five years after diagnosis and that her cancer does not recur within the first five years.

#### **EXAMPLE OF A LOW RISK RESULT - 4TH PAGE**



3.3 = Low/High Risk cut-off point

As the EPclin score increases along the bottom of the graph, the 5-15 year risk of recurrence increases also.3

> Your patient's individualized risk of distant recurrence in years 5-15 is shown on the graph.



### Why EndoPredict®?

Prognostic power providing low-risk results you can trust.

EndoPredict is for ER+, HER2- early-stage breast cancer patients (N0 or N+, up to 3 nodes, pre- or postmenopausal)



Lower cost vs other breast cancer recurrence tests



Fast 7-day turnaround



Individualized Low/High Result with chemotherapy benefit



Inclusion of proliferation- and hormone receptor-related genes contributes to accurate assessment of early and late recurrence risk



Better identifies a large percentage of low-risk patients (average of 6% recurrence)







For information on visit endopredict.com



Supporting broad access for patients For more information, visit myriadpromise.com



#### References:

- 1. Filipits M, Rudas M, Jakesz R, et al; for EP Investigators. A new molecular predictor of distant recurrence for ER-positive, HER2-negative breast cancer adds independent information to conventional clinical risk factors. Clin Cancer Res. 2011;17(18):6012-6020.
- 2. Sestak I, Martín M, Dubsky P, et al. Prediction of chemotherapy benefit by EndoPredict in patients with breast cancer who received adjuvant endocrine therapy plus chemotherapy or endocrine therapy alone. Breast Cancer Res Treat (2019) https://doi.org/10.1007/s10549-019-05226-8.
- 3. Filipits M, Dubsky P, Rudas M, et al; Prediction of distant recurrence using EndoPredict among women with ER+, HER2- node-positive and node-negative breast cancer treated with endocrine therapy only. Clin Cancer Res. (2019) https://doi.org/10.1158/1078-0432.CCR-19-0376.