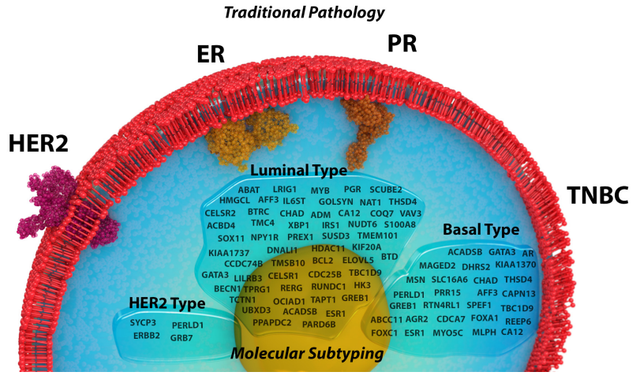
BluePrint® Functional Molecular Subtyping

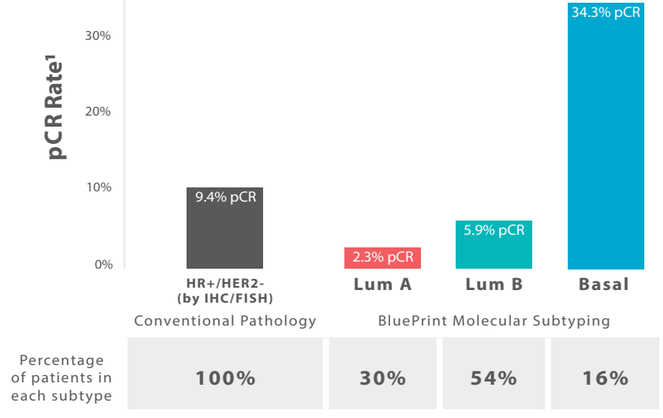


BluePrint, the 80-gene molecular subtyping assay, goes beyond the cell surface to evaluate the underlying biology of a tumor and what is driving its growth.

AGENDIA® BLUEPRINT

Informs treatment planning in the pre-operative setting

Standard Pathologic Subtyping vs. BluePrint Molecular Subtyping[1]



- Further subdivides pathologically luminal tumors (HR+) into low risk Luminal A and high risk Luminal B subtypes.
- Reclassifies as many as 1 in 5 patients' pathologically HR+ tumors into high risk Basal-Type tumors.[1-3]

- As expected, pCR rates in high risk Basal-Type patients correlate with long-term outcomes.[4]
- The subtyping information that BluePrint provides enables physicians to better tailor pre-operative treatment and the timing of surgery to individual patients.[4]

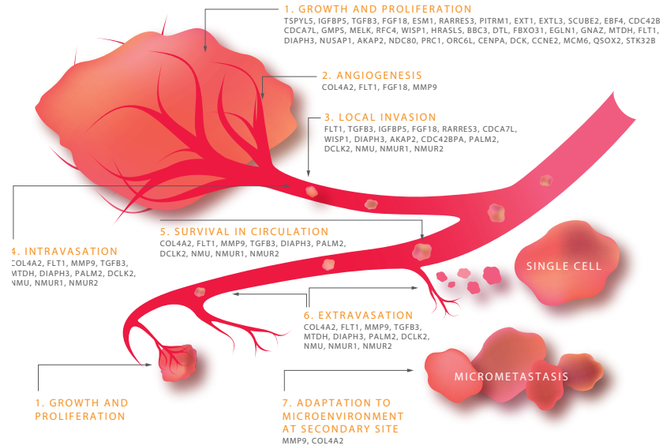
BluePrint Subtyping	pCR Rate (%)	5-Year DMFS by Response		
Luminal A-Type	9/172 (5%)	pCR no pCR	100% 91%	p= N.S.
Luminal B-Type	27/355 (8%)	pCR no pCR	82% 75%	p= N.S.
HER2-Type	102/174 (59%)	pCR no pCR	90% 83%	p= N.S.
Basal-Type	136/371 (37%)	pCR no pCR	94% 58%	p<0.001

1 Groenendijk, et al. npj Breast Cancer 5, 15 (2019).; 2 Whitworth, P., et al. Ann Surg Oncol (2017) 24: 669–675.; 3 van 't Veer L, et al. 30th EORTC-NCI-AACR Symposium, November 13-16, 2018.; 4 Data on file

MammaPrint® Risk of Recurrence Testing

MammaPrint, the 70-gene breast cancer recurrence assay, is the first FDA-cleared and CE-marked risk-of-recurrence test backed by peer-reviewed, prospective outcome data and included in major treatment guidelines.[1]

Early Metastatic Process

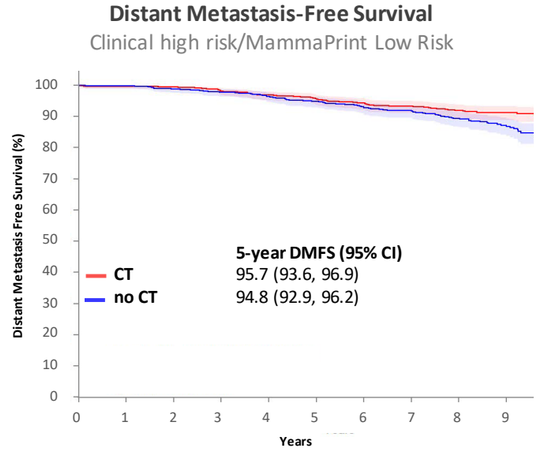


- Interrogates genes involved in every step of the metastatic cascade.
- Results are independent of and complementary to standard IHC/FISH testing.

AGENDIA® MAMMAPRINT

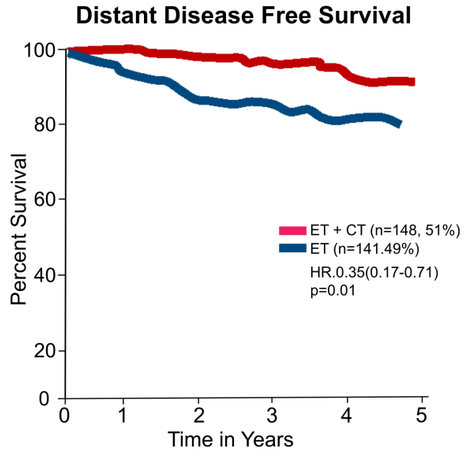
Provides insight into the benefit of post-operative treatment

Adjuvant Chemotherapy Planning[2]



MammaPrint Low Risk patients may safely forego adjuvant chemotherapy.

Chemotherapy Prediction[3]



MammaPrint High Risk patients have significantly better outcomes with chemotherapy.

1 In 2007, MammaPrint became the first IVDMIA to gain 510(k) clearance from the FDA. In 2018, The MammaPrint and BluePrint Kit attained the CE mark.
2 Cardoso, F., et al. N Engl J Med 2016;375:717-29.; 3 Knauer, M., et al. Breast Cancer Res Treat. 2010 Apr;120(3):655-61.

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