



# DirectHit™ Test Panel for Breast Cancer

*A Personalized Approach to Anticancer Therapy*



[cccdiag.com](http://cccdiag.com)

# CCC Diagnostics

- Our mission: To create innovative approaches to cancer disease management by integrating discoveries diagnostic, therapeutic and information technologies.
- CCC Diagnostics was founded in 2004 by a group of former researchers at Johns Hopkins University, including the late Dr. Paul Ts'o, former Director of Biophysics Div. Of JHU School of Public Health.



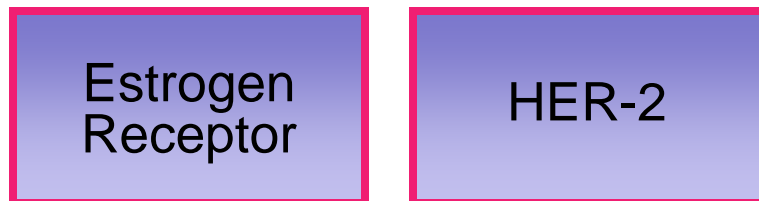
# DirectHit™ Test Panel for Breast Cancer

1. The DirectHit™ Test Panel for Breast Cancer is a test that can help doctors determine the best drug treatment for women diagnosed with breast cancer.
2. DirectHit™ provides information about the tumor that may be used in addition to the usual tests to prescribe the most effective anticancer drug treatment.
3. DirectHit™ is the only test of its kind that may be used to recommend effective treatment for both hormonal and chemotherapeutic drugs.

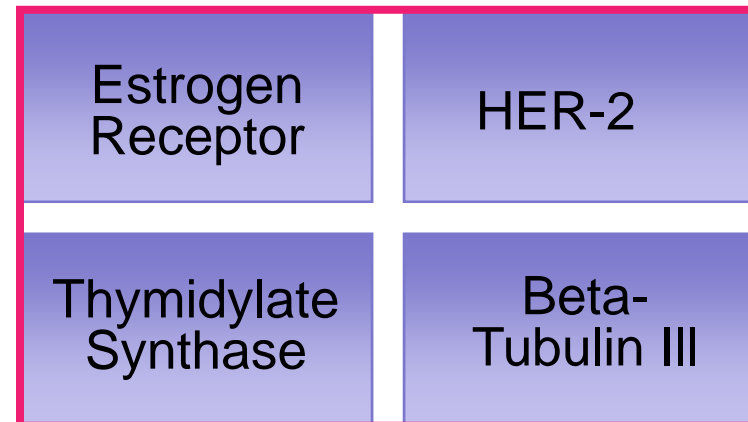
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- DirectHit™ is a Test Panel - includes in one test:
  - ER, HER-2
  - Biomarkers for commonly used chemotherapy drugs

## IHC/FISH

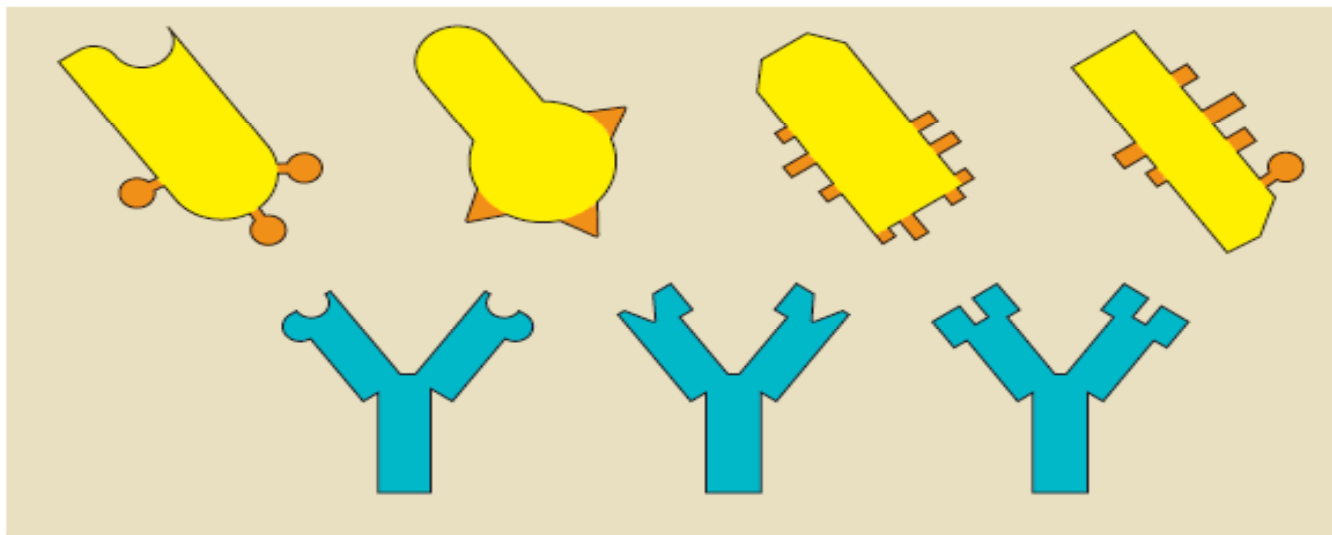


## DirectHit™ Test Panel



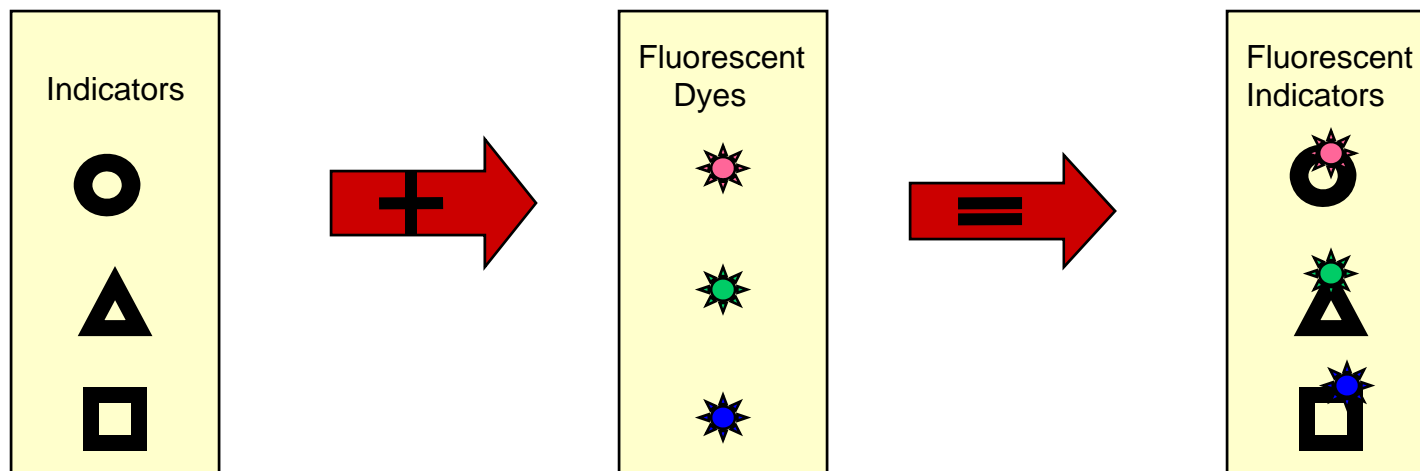
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1. Each tumor has unique and specific markers
2. These markers show which drugs work best
3. The markers can be identified by certain indicators
4. Each indicator binds with a specific marker, much like puzzle pieces



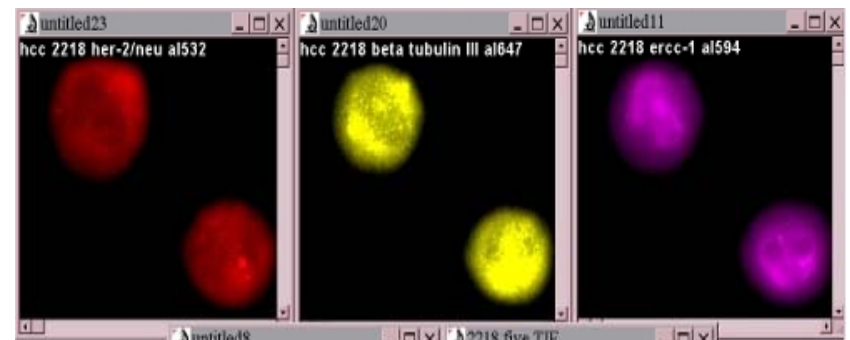
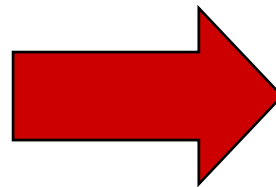
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1. CCCD labels the special indicators with fluorescent dyes.
2. When an indicator sticks to the marker on the cancer cell, the fluorescent dye will stick too.



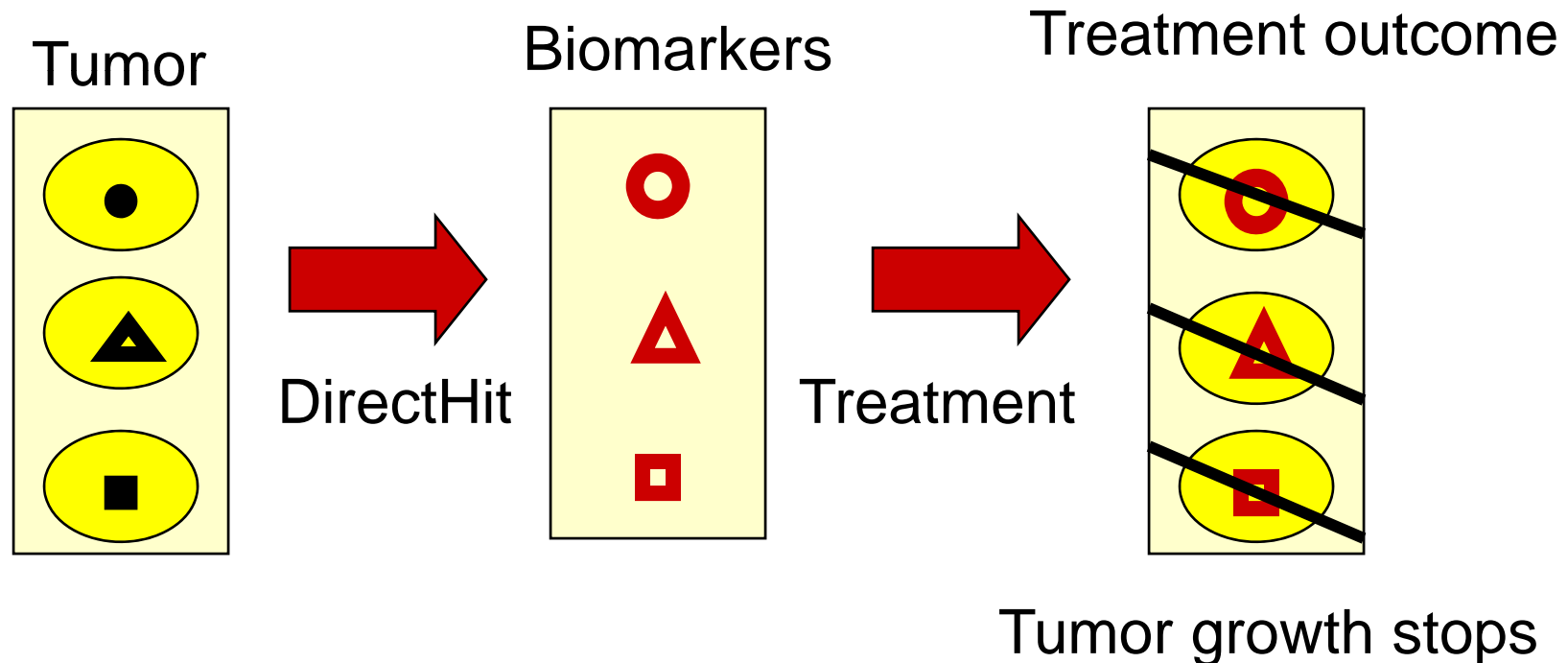
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1. The fluorescent dye, stuck to the cancer cell, will 'light up' under a computerized fluorescent microscope light.
2. The amount of "light" detected by the computerized microscope shows which drugs will work best



# DirectHit™ Test Panel for Breast Cancer

DirectHit™ helps doctors choose the right drug to stop tumor growth





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# DirectHit™ Test Panel for Breast Cancer

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1. DirectHit™ is performed on preserved tumor tissue removed during surgery
2. Women who have surgery for breast tumor removal are eligible for this test
3. Only your physician or oncologist may order the DirectHit™.
4. DirectHit™ results will be available 6 days after the sample is received
5. DirectHit™ results report will be sent directly to your physician
6. DirectHit™ is covered by many major insurance carriers



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 **DirectHit™ Test Panel for Breast Cancer**

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**DirectHit™ as a Diagnostic Service will:**

1. Individualize Anticancer Therapy Selection
2. Lessen Exposure to Ineffective Anticancer Therapies
3. Reduce the Need for Drug Combination Therapy
4. Reduce Side Effects to Patients
5. Allow Significant Treatment Cost Savings
6. Improve Quality of Life



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 **DirectHit™ Test Panel for Breast Cancer**

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