

**Medical Genetics**  
**Wake Forest University School of Medicine**  
**Winston Salem NC**  
Phone: 336-716-4321 Fax: 336-716-2554

**Test: Breast Cancer HER-2/neu Amplification – Solid Tumor Tissue**  
*Fluorescence In Situ Hybridization (FISH)*

**Purpose of Test:** To detect amplification of the HER-2/neu gene which has been associated with breast cancer prognosis and treatment decisions.

**Required Information:** Please provide indications (ICD-9) for testing on our referral form with each specimen. Accurate testing and interpretation may otherwise be compromised.

**Paraffin-Embedded Tissue Block**

- Formalin-fixed, paraffin-embedded breast cancer tissue block.
- Send at least 4 slides with tissue sections cut at ~4um thick and put on positively charged slides.
- Include 1 hematoxylin-and-eosin stained slide with abnormal region clearly outlined with a marker.
- If a tissue block is sent, the tissue will be sectioned and slides will be prepared at an additional cost.

**Turn Around Time:** 3-4 days

**Probe(s):** HER-2/neu gene and centromere for chromosome 17 (CEP 17)

**CPT Code Information:**

88271x2	DNA probe, each
88274	Molecular cytogenetics; 25-99 cells
88365	Interpretation and report