

Human epidermal growth factor receptor-2 (HER2) test result code N

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Human epidermal growth factor receptor-2 (HER2) test result code N

Identifying and definitional attributes

Metadata item type:	Value Domain
METEOR identifier:	370570
Registration status:	Health , Standard 06/03/2009
Definition:	A code set representing whether human epidermal growth factor receptor-2 (HER2) was found from HER2 test.

Representational attributes

Representation class:	Code	
Data type:	Number	
Format:	N	
Maximum character length:	1	
	Value	Meaning
Permissible values:	1	Positive
	2	Negative
	3	Equivocal
Supplementary values:	7	Unknown (test results not available)
	8	Not applicable (test not done)

Collection and usage attributes

Guide for use:

Record the reported conclusion of the HER2.

If no conclusion is reported use the following guidelines (from the National Breast and Ovarian Cancer Centre and Australian Cancer Network's pathology reporting guide (3rd ed.) for breast cancer):

CODE 1 Positive

- **For in situ hybridisation:**

Result is more than 6 copies of the HER2 gene per nucleus OR a ratio of HER2 gene signals to chromosome 17 signals of more than 2.2.

- **For Immunohistochemistry:**

Result is described as 3+ or +++ OR >30% of cancer cells show strong complete membrane staining without cytoplasmic staining and without staining of normal tissue.

CODE 2 Negative

- **For in situ hybridisation:**

Result is less than 4 copies of the HER2 gene per nucleus OR a ratio of HER2 gene signals to chromosome 17 signals of less than 1.8.

- **For Immunohistochemistry:**

Result described as 0, 1+ or + OR <10% of cancer cells show staining.

CODE 3 Equivocal

- **For in situ hybridisation:**

Result is an average of between 4 and 6 HER2 gene copies per nucleus with a single probe OR a ratio of HER2 gene signals to chromosome 17 signals in the range of 1.8-2.2.

- **For Immunohistochemistry:**

Result described as 2+ or ++ OR <10% of cancer cells show strong complete membrane staining (rare) OR 10-30% of cancer cells show weak to moderate complete membrane staining OR Strong cytoplasmic staining is present, making assessment of membrane staining difficult.

Supplementary codes**CODE 7 Unknown (test results not available)**

Use this code when the test has been performed but the results are not yet available for analysis.

CODE 8 Not applicable (test not done)

This code is used as a validation measure, to show that the reason for the lack of results is due to the test not being performed.

Relational attributes

Data elements implementing this value domain:

[Person with cancer—human epidermal growth factor receptor-2 test result, code N Health, Standard 06/03/2009](#)