

ERBB2/17p Reflex FISH Probe Kit

Introduction

The ERBB2/17p Reflex FISH Probe Kit is designed to detect the human *ERBB2* gene located on chromosome band 17q12, and the D17S122 STS marker region on chromosome band 17p12 as a control for integrity of the p-arm of chromosome 17. Abnormal expression of the *ERBB2* gene – also known as *NEU*, *NGL*, *HER2*, *TKR1*, *CD340*, *HER-2*, *MLN 19* or *HER-2/neu* – has been observed in breast carcinoma and many other solid tumor types. This probe panel can be used for *ERBB2* reflex testing.

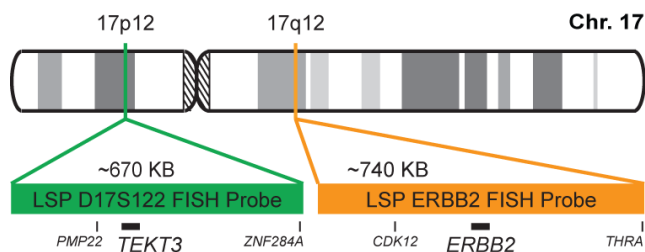
Intended Use

To measure the copy number of the human *ERBB2* and the D17S122 STS marker region located on chromosome band 17q12 and 17p12, respectively.

Cont.	Color
-------	-------

LSP ERBB2 FISH Probe LSP D17S122 FISH Probe	CytoOrange CytoGreen
--	-------------------------

Probe Design



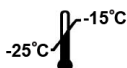
LSP ERBB2 FISH Probe covers a chromosomal region which includes the entire *ERBB2* gene. LSP D17S122 FISH Probe covers the D17S122 STS marker region and includes the entire *TEKT3* gene.

Not to Scale

Cat. No.	Volume
CT-PAC050-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 20:2G	<u>Abnormal Patterns</u> Other Patterns

- 1) Coussens L, et al. *Science*. 230(4730):1132-9 (1985).
- 2) Slamon DJ, et al. *Science*. 235(4785):177-82 (1987).
- 3) Heselmeyer-Haddad K, et al. *Cancer Res*. 62(8):2365-9 (2002).
- 4) Pauletti G, et al. *J Clin Oncol*. 18(21):3651-64 (2000).
- 5) Pathmanathan N & Bilous AM. *Pathology*. 44(7):587-95 (2012).



CytoTest Inc.
9430 Key West Ave., Suite 210
Rockville, MD 20850, USA

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Road No. 44, Pitampura, Delhi – 110034, India

Mobile: +91-98105-21400, Tel: +91-11-42208000, 8111, 8222, Fax: +91-11-42208444

Email: customerservice@lifetechindia.com, www.atzlabs.com; www.lifetechindia.com