

CARS/CCP11 FISH Probe Kit

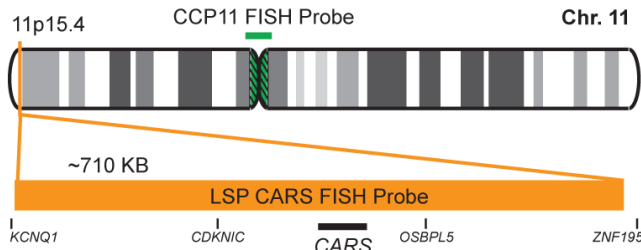
Introduction

The CARS/CCP11 FISH Probe Kit is designed to detect the human *CARS* gene located on chromosome band 11p15.4, along with the number of chromosome 11 copies per cell. Rearrangements and abnormal expression of the *CARS* gene – also known as *CARS1*, *CYSRS* or *MGC:11246* – have been observed in inflammatory myofibroblastic tumors (IMT) and several other tumor types.

Intended Use
To measure the copy number of the human <i>CARS</i> gene located on chromosome band 11p15.4.

Cont.	Color
LSP CARS FISH Probe CCP11 FISH Probe	CytoOrange CytoGreen

Probe Design



LSP CARS FISH Probe covers a chromosomal region which includes the entire *CARS* gene. CCP11 FISH Probe, derived from chromosome 11-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 11 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC047-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G	<u>Abnormal Patterns</u> Other Patterns

- 1) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Tsuchiya KD. *Clin Lab Med*. 31(4):525-42, vii-viii (2011).
- 3) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
- 4) Reid LH, et al. *Genomics*. 43(3):366-75 (1997).
- 5) Hu RJ, et al. *Genomics*. 46(1):9-17 (1997).



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* 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.