CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

LSP NOR FISH Probe (human acrocentric p-arm specific)

Introduction

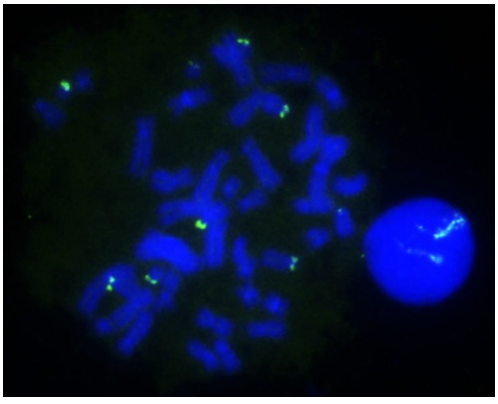
The NOR FISH Probe is a locus-specific probe (LSP) designed to detect repetitive RNA (rRNA) gene clusters located within the nucleolus organizer regions (NOR) of the human acrocentric chromosomes, i.e. at band p12 of chromosomes 13, 14, 15, 21 and 22.

Intended Use

To detect presence and copy number of ribosomal DNA (rDNA) sequences situated on chromosome band p12 of the human acrocentric chromosomes (13, 14, 15, 21, 22).

Cont.	Color
LSP NOR FISH Probe (human acrocentric p-arm specific)	CytoGreen

Probe Design



LSP NOR FISH Probe covers sequences present on the nucleolus organizer regions of the short arms (p-arms) of the acrocentric chromosomes 13, 14, 15, 21 and 22.

Image on left: NOR probe hybridized to metaphase of normal human peripheral lymphocyte yields 5 pairs of green signals. - Note that size and brightness of the individual acrocentric p-arm signals may show significant variation.

Cat. No.	Volume
CT-LSP345-10-G	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2x5=10G	Other Patterns

1) Benzacken B, et al. *Prenat. Diagn.* 21:96-98 (2001).
2) Piccini I, et al. Human Genetics 108(6)_467-77 (2001).
3) Storlazzi CL, et al. Genome Res. 20:1198-1206 (2011).
4) Finelli P, et al. Mol. Cytogenet. 5:16 (2012).
5) Stimpson KM, et al. PLoS one 9(3):e92432 (2014)

-25°C -15°C IVD

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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.