



CytoCell



A Sysmex Group Company

Pathology FISH Probes

Features

- Improve confidence in result interpretation with high intensity signals and minimal background
- Enhance detection and scoring accuracy with robust, easy-to-analyse probes
- Save time and minimise mixing errors with easy-to-use, pre-mixed probes
- Maximise signal quality when used with our Tissue Pretreatment Kit
- Optimise stock levels and minimise wastage with flexible pack sizes to meet your needs

Pathology FISH Probes

The Pathology range comprises probes to detect genes associated with a number of solid tumours and haematopathological malignancies, including:

Breast	Glioma	Neuroblastoma	Retinoblastoma
Brain	Lung	Ovarian	Sarcoma
Colorectal	Lymphoma	Prostate	Thyroid

These pathology probes are optimised for use on FFPE samples when used in conjunction with the CytoCell® Tissue Pretreatment Kit*, designed to increase the permeabilisation of cell membranes and facilitate penetration of the FISH probe.

*LPS 100 Tissue Pretreatment Kit: This product is provided under an agreement between Life Technologies Corporation and CytoCell Ltd and is available for human diagnostics or life science research use only.

Why Choose CytoCell Probes?

- Customers can have confidence in CytoCell's bright, tight signals and minimal background
- Ready-to-use, pre-mixed probes save aliquoting time and minimise errors
- Signal quality is maximised when probes are used in conjunction with our Tissue Pretreatment Kit
- Expert FAS and technical specialists on hand to offer unparalleled support

Please see our disease-specific brochures and Product Catalogue for full product profiles and more information.

The OGT Partnership

Behind every sample is a life that can be improved through the right care decisions. The OGT partnership approach is key to providing the highest level of service, working closely with you to understand your unique challenges, customising our approach to meet your exact needs. Choose CytoCell probes for your FISH analysis; our effective, accurate and simple to use products help clinical decision makers to reach the right decisions for each patient.

Pathology Probe Range

Probe Name	Chromosome Region	Probe Type	Control Probe	No. Tests	Cat. No.†
1p36/1q25 & 19q13/19p13	1p36.32/19q13.33	Deletion	1q25.2/19p13.2	5 or 10	LPS 047
ALK	2p23.2 p23.1	Breakapart	-	5 or 10	LPS 019
CHOP (DDIT3)	12q13.3	Breakapart	-	5 or 10	LPS 015
C-MET (MET)	7q31.2	Amplification	D7Z1	5 or 10	LPS 004
EGFR	7p11.2	Amplification	D7Z1	5 or 10	LPS 003
EML4	2p21	Breakapart	-	5 or 10	LPS 020
EWSR1	22q12.1-q12.2	Breakapart	-	5 or 10	LPS 006
EWSR1/ERG Dual Fusion	21q22.13-q22.2/22q12.1-q12.2	Translocation	-	5 or 10	LPS 008
FGFR1	8p11.23-p11.22	Breakapart/ Amplification	D8Z2	5 or 10	LPS 018
FLI1/EWSR1 Dual Fusion	11q24.3/22q12.1-q12.2	Translocation	-	5 or 10	LPS 007
FOXO1	13q14.1	Breakapart	-	5 or 10	LPS 049
FUS	16p11.2	Breakapart	-	5 or 10	LPS 050
HER2 (ERBB2)	17q12	Amplification	D17Z1	5 or 10	LPS 001
MDM2	12q15	Amplification	D12Z1	5 or 10	LPS 016
N-MYC (MYCN)	2p24.3	Amplification	AFF3	5 or 10	LPS 009
PAX3	2q36.1	Breakapart	-	5 or 10	LPS 012
PAX7	1p36.13	Breakapart	-	5 or 10	LPS 013
RET	10q11.21	Breakapart	-	5 or 10	LPS 045
ROS1	6q22.1	Breakapart	-	5 or 10	LPS 022
ROS1 Plus	6q22.1	Breakapart	-	5 or 10	LPS 046
SRD (CHD5)	1p36.31	Deletion	ZNF672	5 or 10	LPS 010
SYT (SS18)	18q11.2	Breakapart	-	5 or 10	LPS 014
TFE3	Xp11.23	Breakapart	-	50µl or 100µl	RU-LPS 051 [§]
TMPRSS2/ERG	21q22.2-q22.3/21q22.13-q22.2	Deletion/Breakapart	ERG	5 or 10	LPS 021
TOP2A	17q21.2	Amplification/Deletion	D17Z1	5 or 10	LPS 002
ZNF217	20q13.2	Amplification	DEFB128	5 or 10	LPS 005

[§]For Research Use Only, not for use in diagnostic procedures.

Haematopathology Probe Range

Probe Name	Chromosome Region	Probe Type	Control Probe	No. Tests	Cat. No.†
BCL2	18q21.3-q22	Breakapart	-	5 or 10	LPS 028
BCL6	3q27-q28	Breakapart	-	5 or 10	LPS 029
CCND1	11q13.3	Breakapart	-	5 or 10	LPS 030
IGH	14q32.3	Breakapart	-	5 or 10	LPS 032
IGH/BCL2 Dual Fusion	14q32/18q21.3-q22	Translocation	-	5 or 10	LPS 033
IGH/CCND1 Dual Fusion	14q32.3/11q13.3	Translocation	-	5 or 10	LPS 031
IGH/MALT1 Dual Fusion	14q32.3/18q21.3	Translocation	-	5 or 10	LPS 034
IGH/MYC Dual Fusion	14q32.3/8q24.21	Translocation	-	5 or 10	LPS 035
IGK	2p11.2	Breakapart	-	5 or 10	LPS 038
IGL	22q11.2	Breakapart	-	5 or 10	LPS 039
MALT1	18q21.3	Breakapart	-	5 or 10	LPS 017
MYC	8q24.21	Breakapart	-	5 or 10	LPS 027
P16 (CDKN2A)	9p21.3	Deletion	D9Z3	5 or 10	LPS 036
P53 (TP53)	17p13	Deletion	D17Z1	5 or 10	LPS 037
RB1	13q14.2	Deletion	LAMP1	5 or 10	LPS 011

†For 5 test kit add -S to catalogue number, e.g: LPS ###-S.

Tissue Pretreatment Kit

Cat. No. **LPS 100***

Our tissue pretreatment kit is designed to prepare slides for FISH analysis on formalin-fixed paraffin-embedded (FFPE) tissue.

Our extensive Pathology FISH range has been optimised to produce best excellent visual results with our ready-to-use Tissue Pretreatment Kit.

With ease-of-use and convenience in mind, our simple two stage FFPE slide preparation protocol employs ready-to-use reagents, which have been optimised to increase the permeabilisation of cell membranes and facilitate penetration of the desired FISH DNA probe.

Probe Name	Product Description	Cat. No.
Tissue Pretreatment Kit*	Reagent 1 (1x1L), Reagent 2(1x10mL)	LPS 100

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Ordering information

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A Sysmex Group Company

What binds us, makes us.

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