



अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर
All India Institute of Medical Sciences, Jodhpur
अनुसंधान अनुभाग
Research Section

AIIMS/RES(07)/2020/467/Prop/07

Dated: 09/04/2022

Subject: Purchase of Zyto light spec RET Dual color apart probe (Zytovision Germany) for the Extramural Research Project at Research Section, AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of Zyto light spec RET Dual color apart probe (Zytovision Germany) for Extramural Research Project at Research Section, AIIMS, Jodhpur from M/s ZytoVision GmbH, Germany on proprietary basis. The proposal submitted by M/s Diagnostic Biosystems, New Delhi and PAC certification by user are attached.

The above documents are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the consumables within 21 days of issue giving reference AIIMS/RES(07)/2020/467/Prop/07. The comments should be received by office of Dean (Research), Research Section at AIIMS, Jodhpur on or before 30/04/2021 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Dean (Research)

Enclosed: Related documents enclosed.



DIAGNOSTIC BIOSYSTEMS (INDIA)

306, Guru Ram Das Bhawan, Ranjit Nagar, Commercial Complex, New Delhi - 110008
Ph.: 011- 45093436, Mobile: 9871206667, 9810109784
Email: dbs@dbsindia.co.in, Website: www.dbiosysindia.net
D. L. No.: DL-PTN-102273 / DL-PTN-102274
GSTIN No.: 07AIGPS5179N1ZF

Our Ref No : DBSI/Q/21-22/431

Date : 21/03/2022

To,

PRICE QUOTATION

Dean (Research), Research Cell
All India Institute of Medical Sciences
1st Floor, College Building,
Basni Phase-II, Jodhpur-342005 (Rajasthan)
GSTIN No.: 08JDHA08253A1D4
State Code : 08

Dear Sir,

This has a reference of your recent enquiry.

We are pleased to place below our quotation for the following products:-

SNo	Description	HSN / SAC	Cat. No.	Qty	Price (Rs./Unit)	GST %
1	ZytoLight SPEC RET Dual Color Break Apart Probe <i>Make: Zytovision, Germany</i>	30021290	Z-2148-200	1 x 200 ul		

Terms & Conditions

- Delivery** : Within 15 days after receipt of confirm purchase order
Payment Terms : Within 30 days from the date of Invoice by RTGS.
GST : GST shall be charged extra.
Validity : 90 days from the date of quotation.

we look forward for your valued order.

Yours faithfully,

For DIAGNOSTIC BIOSYSTEMS (INDIA)

(Mukesh Kumar)





DIAGNOSTIC BIOSYSTEMS (INDIA)

306, Guru Ram Dass Bhawan, Ranjit Nagar, Commercial Complex, New Delhi - 110008

Ph.: 011- 45093436, Mobile: 9871206667, 9810109784

Email: dbs@dbsindia.co.in, Website: www.dbiosysindia.net

D. L. No.: DL-PTN-102273 / DL-PTN-102274

GSTIN: 07AIGPS5179N1ZF

21 March 2022

PROPRIETARY CERTIFICATE

This is to certify that Zytovision GmbH, Germany is our leading manufacturer of proprietary product (ZytoLight SPEC RET Dual Color Break Apart Probe Cat. No. Z-2148-200) and no body manufactures these products.



Signature

Signature

Signature

TO WHOM IT MAY CONCERN

ZytoVision GmbH
Fischkai 1
D · 27572 Bremerhaven
Germany

Tel : +49(0)471/4832 - 300
Fax: +49(0)471/4832 - 509

info@zytovision.com
www.zytovision.com

Bremerhaven, April 2, 2020

Letter of Authorization for Sales of ZytoVision's Products by Diagnostic Biosystems (India)

We, ZytoVision GmbH, hereby certified that the company

Diagnostic Biosystems (India)
306 Guru Ram Dass Bhawan
Ranjit Nagar Comm. Complex
110008 New Delhi
INDIA

are our sole distributor for all of our products. They can quote, negotiate and can supply all our products on our behalf in India.

THIS AUTHORIZATION IS VALID FOR 36 MONTHS.

With kind regards,



Dr. Sven Hauke
Managing Director



ZytoVision GmbH
Geschäftsführer:
Dr. Pierre Rogallo
Dr. Sven Hauke

Amtsgericht Bremen
HRB 3742

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Konto-Nr. 1 217 453
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SWIFT BRLADE21885

USt-IdNr. DE814067753

ZytoLight® SPEC RET Dual Color Break Apart Probe



Background

The ZytoLight® SPEC RET Dual Color Break Apart Probe is designed to detect translocations involving the chromosomal region 10q11.21 harboring the RET (ret proto-oncogene) gene.

RET encodes a tyrosine kinase (TK) receptor. Translocations involving RET were first described in papillary thyroid carcinoma (PTC) where somatic rearrangements result in the fusion of its TK catalytic domain with an N-terminal dimerization domain encoded by various fusion partner genes.

More recently, recurrent inversions [inv(10)(p11.2;q11.2)] fusing the coiled-coil domains of the kinesin family member 5B (KIF5B) gene to the RET kinase domain have been detected in lung adenocarcinoma. The resulting KIF5B-RET fusion protein can form homodimers through the coiled-coil domains of KIF5B, causing an aberrant activation of the TK of RET, a mechanism known from KIF5B-ALK fusions which is also found in lung adenocarcinoma.

Since *in vitro* studies showed transforming activity of KIF5B-RET which could be suppressed by a TK inhibitor, it was assumed that the chimeric oncogene might be a promising molecular target for the treatment of lung cancer.

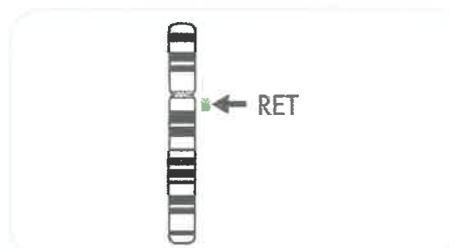
The same holds true for the very recently discovered BCR-RET and FGFR1OP-RET fusion genes in chronic myelomonocytic leukemia (CMML) generated by two balanced translocations t(10;22)(q11.2;q11.2) and t(6;10)(q27;q11.2), respectively.

References

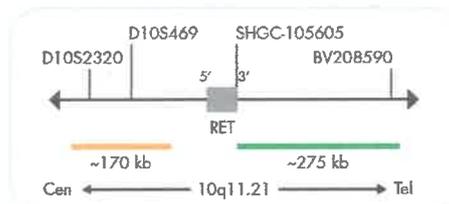
- Ballerini P, et al. [2012] Leukemia 26: 2384-9.
 Gautschi O, et al. [2013] J Thorac Oncol 8: e43-4.
 Ju YS, et al. [2012] Genome Res 22: 436-45.
 Kohno T, et al. [2012] Nat Med 18: 375-7.
 Lee SE, et al. [2013] Mod Pathol 28: 468-79.
 Nikiforov YE (2002) Endocr Pathol 13: 3-16.
 Takahashi M, et al. [1985] Cell 42: 581-8.
 Takeuchi K, et al. [2012] Nat Med 18: 378-81.

Probe Description

The SPEC RET Dual Color Break Apart Probe is a mixture of two direct labeled probes hybridizing to the 10q11.21 band. The orange fluorochrome direct labeled probe hybridizes proximal to the RET gene, the green fluorochrome direct labeled probe hybridizes distal to that gene.



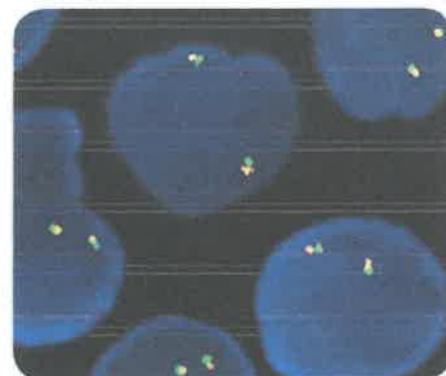
Ideogram of chromosome 10 indicating the hybridization locations.



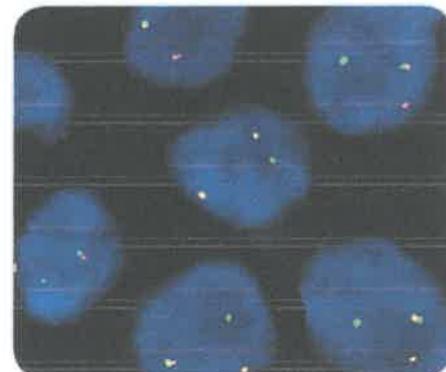
SPEC RET Probe map (not to scale).

Results

In an interphase nucleus lacking a translocation involving the 10q11.21 band, two orange/green fusion signals are expected representing two normal (non-rearranged) 10q11.21 loci. A signal pattern consisting of one orange/green fusion signal, one orange signal, and a separate green signal indicates one normal 10q11.21 locus and one 10q11.21 locus affected by a translocation or inversion. Isolated green signals are the result of deletions proximal to the RET breakpoint region.



SPEC RET Dual Color Break Apart Probe hybridized to normal interphase cells as indicated by two orange/green fusion signals per nucleus.



Human thyroid tumor cell line (TPC-1) with translocation affecting the 10q11.21 locus as indicated by one orange/green fusion (non-rearranged) signal, one orange signal, and one separate green signal.

Prod. No.

Z-2148-50

Product

ZytoLight SPEC RET Dual Color Break Apart Probe CE IVD

Z-2148-200

ZytoLight SPEC RET Dual Color Break Apart Probe CE IVD

Related Products

Z-2028-5

ZytoLight FISH-Tissue Implementation Kit CE IVD

Incl. Heat Pretreatment Solution Citric, 150 ml; Pepsin Solution, 1 ml; Wash Buffer SSC, 210 ml; 25x Wash Buffer A, 50 ml; DAPI/DuroTect-Solution, 0.2 ml

Z-2028-20

ZytoLight FISH-Tissue Implementation Kit CE IVD

Incl. Heat Pretreatment Solution Citric, 500 ml; Pepsin Solution, 4 ml; Wash Buffer SSC, 560 ml; 25x Wash Buffer A, 100 ml; DAPI/DuroTect-Solution, 0.2 ml

Label

●/●

●/●

Tests* (Volume)

5 (50 µl)

20 (200 µl)

5

20

* Using 10 µl probe solution per test. CE IVD only available in certain countries. All other countries research use only! Please contact your local dealer for more information.

