Name	:	Centre Details	:
Age	:	SRFID/NIKSHAY ID	:
Ref. No.	:	Accession.ID	:
Registration Date	:	Referred By	:
Collection Date	:	Report Date	:
Received Date	:	TRF No.	:

DEPARTMENT OF FISH & CYTOGENETICS

del17p by FISH

W.Blood Heparin

Deletion 17p13 (*p53*) Assay

Fluorescence in- situ Hybridization (FISH)

Method: FISH analysis on Enriched Plasma cells (Magnetic bead enrichment method) of the specimen

Specimen type: Heparinized Blood

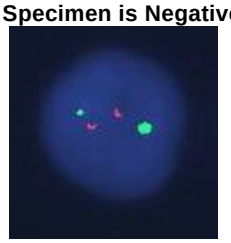
FISH Probe: ZytoLight SPEC Orange TP53/ CEN 17 SPEC Green DC DNA probe

	Spectrum Orange *p53* 17p13.1	Spectrum Green *CEN 17*	No of cells (n=100)	Analysis
Signals/ cell	2	2	100	Normal
	1	2	0	Deletion of 17p13/ p53 locus
	1	1	0	Monosomy of Chromosome 17

Note: Cut-off for detection of deletion signal in normal individuals is 3%.

Interpretation :

nuc ish(CEN17x2,p53x2)[100]
Deletion of 17p13 was not observed in any cells.
Specimen is Negative for *p53* deletion



Name	:	Centre Details	:
Age	:	SRFID/NIKSHAY ID	:
Ref. No.	:	Accession.ID	:
Registration Date	:	Referred By	:
Collection Date	:	Report Date	:
Received Date	:	TRF No.	:

del13q by FISH

W.Blood Heparin

del 13q14.3 Assay

Fluorescence in-situ Hybridization (FISH)

Method: FISH analysis on Enriched Plasma cells (Magnetic bead enrichment method) of the specimen
Specimen type: Heparinized BM
FISH Probe: Vysis directly labeled LSI D13S25 DNA Probe

	Del13q14.3 (Orange)	No. of cells (n=100)	Analysis
Signals/ cell	2	100	Normal
	1	0	Deletion of q arm/ monosomy of chr 13

Note: Cut-off for detection of deletion signal in normal individuals is 3%.

Interpretation:

Del 13q14.3 signal was not detected in any cells.
Specimen is Negative for del13q14.3.

Name	:	Centre Details	:
Age	:	SRFID/NIKSHAY ID	:
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Received Date	:	TRF No.	:

t(4;14) by FISH

W.Blood Heparin

LSI *IGH /FGFR3* Translocation Assay

Fluorescence in-situ Hybridization (FISH)

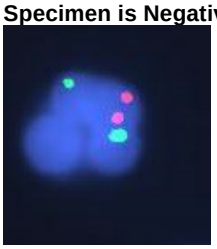
Method: FISH analysis on Enriched Plasma cells (Magnetic bead enrichment method) of the specimen
Specimen type: Heparinized BM
FISH Probe: Vysis LSI IGH/FGFR3 Dual Color Dual Fusion Probe

	***IgH* Green**	***FGFR3* Orange**	***IGH/FGFR3* Fusion**	**No. of cells**	**Analysis**
	14q32.3	**4p16**	**Yellow t(4;14)**	**(n =100)**	
	2	2	0	100	Normal
Signals/ cell	1	1	2	0	Translocated
	3	2	2	0	Translocated with Gain/ Loss of *IgH/FGFR3* locus
	2	4	0	0	Gain/ Loss of *IgH/FGFR3* locus

Note: Cut-off for detection of fusion signal in normal individuals is 3%.

Interpretation:

***IgH/FGFR3* fusion signal was not detected in any cells.**
Specimen is Negative for t(4;14)



Name	:	Centre Details	:
Age	:	SRFID/NIKSHAY ID	:
Ref. No.	:	Accession.ID	:
Registration Date	:	Referred By	:
Collection Date	:	Report Date	:
Received Date	:	TRF No.	:

t(11;14) by FISH

W. Blood Heparin

IgH /CCND1 Translocation Assay

Fluorescence in-situ Hybridization (FISH)

Method: FISH analysis on Enriched Plasma cells (Magnetic bead enrichment method) of the specimen
Specimen type: Heparinized BM
FISH Probe: Zytovision directly labeled *IgH* (14q32.3)/ *CCND1* (11q13) DC-DF DNA probe

	***IgH* Green 14q32.3**	***CCND1* Orange 11q13**	***IgH/CCND1* Fusion Yellow t(11;14)**	**No. of cells n=100**	**Analysis**
Signals/ cell	2	2	0	97	Normal
	1	1	2	0	Translocated
	1	1	1	03	Translocated with Loss of *IgH&CCND1* locus
	4	2	0	0	Gain/ Loss of *IgH/CCND1* locus

Note: Cut-off for detection of fusion signal in normal individuals is 3%.

Interpretation:

***IgH/CCND1* fusion signal was detected in 3% cells.**
Specimen is Negative for t(11;14)

Name	:	Centre Details	:
Age	:	SRFID/NIKSHAY ID	:
Ref. No.	:	Accession.ID	:
Registration Date	:	Referred By	:
Collection Date	:	Report Date	:
Received Date	:	TRF No.	:

t(14;16) by FISH

W. Blood Heparin

LSI *IGH /MAF* Translocation Assay

Fluorescence in-situ Hybridization (FISH)

Method: FISH analysis on Enriched Plasma cells (Magnetic bead enrichment method) of the specimen
Specimen type: Heparinized BM
FISH Probe: Vysis LSI *IGH/MAF* Dual Color Dual Fusion Probe

	***IgH* Green 14q32.3**	***MAF* Orange 16q23**	***IGH/MAF* fusion Yellow t(14;16)**	**No. of cells (n=100)**	**Analysis**
	2	2	0	97	Normal
	1	1	2	0	Translocated
Signals/ cell	1	1	1	03	Translocated with Loss of *IgH&MAF* locus
	2	4	0	0	Gain/ Loss of *IgH/MAF* locus

Note: Cut-off for detection of fusion signal in normal individuals is 3%.

Interpretation:

***IgH/MAF* fusion signal was detected in 3% cells.**
Specimen is Negative for t(14;16)

***** End Of Report *****

Dr. Ashish Fauzdar
PhD (Clinical Genetics), AIIMS
Head of Clinical Genomics

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