PREFACE

We are glad to inform you that, we have a fully established NABL accredited Genetic lab facility at Vydehi Institute with respect to Cytogenetics and Molecular Biology covering wide range of tests.
We would like to percolate the idea of Genetic testing like any other common investigation through Vydehi Genetic lab at reasonable cost with expert infrastructure and technical back up for these tests at your door steps.
We wish that rare genetic disorders can be looked up so that we can make a difference to the families who are already suffering from such disorders and prevent future generations from being affected.

MOLECULAR TESTING:
Molecular diagnostics is one of the most dynamic and transformative areas leading to advances in prognosis, research, and treatment. The pandemic has further highlighted the importance of this sector.
In settings with limited resources and a wide range of possible etiologies, molecular technologies offer an effective solution for infectious disease diagnostics, thereby helping physicians treat infectious diseases sooner and with more precision because they are agile, fast and flexible. Molecular diagnostic tests can identify patients more likely to benefit from new cancer therapies

CYTOGENETICS:
Cytogenetics is the study of chromosomes, a vital tool to understanding how genetics play a role in the development and progression of certain diseases, as well as to predicting how a person will respond to particular therapeutics.
Cytogenetics plays a key role in the detection of chromosomal abnormalities associated with various diseases including malignancy.The characterization of new alterations that allow more research and increase knowledge about the genetic aspects of these diseases.For patients with hematologic or oncologic malignancies, cytogenetic testing plays a key role in the diagnosis, prognosis, and selection and monitoring of treatment.
We have **Dr. Jayaram Kadandale,** Senior Cytogeneticist from Centre for Humane Genetics, Bangalore who has expertise in the field for 30 years, as our Mentor and In house consultant for Cytogenetics. All our Molecular Biology testing and Cytogenetics tests are accredited under NABL thus assuring Quality.
Hence, our facility can be availed for diagnosing such rare disorders for your patient care and together we can work for the betterment of the society.

WHY VYDEHI ?
- Cost effective
- Quality utmost priority
- Short turn around time
- Expert infrastructure and good technical back up
- In-house counselling sessions

QUALITY ASSURANCE:
- Ensure that quality policies &standards are in place
- Standard operating procedures
- Standardised assay techniques and processes
- Validated methods
- Appropriate quality control
- Qualified and experienced staff – training, competency
- Proficiency testing (EQAS)
- Laboratory maintenance

- WHY VYDEHI ?
- Cost effective
- Quality utmost priority
- Short turn around time
- Expert infrastructure and good technical back up
- In-house counselling sessions
- Could be utilized for Research projects and Dissertations apart from diagnostics as your own lab.

CYTOGENETICS

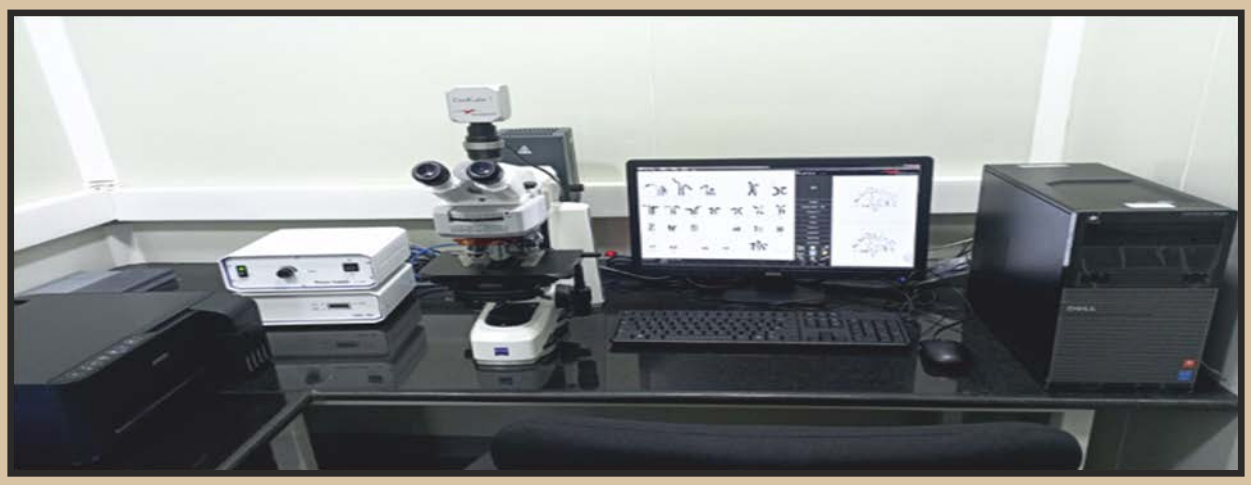
MOLECULAR BIOLOGY

Highest Scientific Standards

Quality

Accuracy

- Well equipped with well trained faculty
- Quality reports on time



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61	VGN103	Multiple Myeloma FISH panel-2& Karyotyping:t(11:14) CCND1/IGH, t(4:14) FGFR3/IGH, t(14:20) IGH/MAFB, del(13)-RB1 and del(17)-P53:Bonemarrow	Multiple Myeloma	Sodium Heparin Tube (Green Top)-2ml	10 days	10400	71
62	VGN231	FISH on FFPE HER2/NEU	Breast cancer	Paraffin fixed tissue block	10 days.	9500	72
63	VGN234	AML 5 probe FISH Panel and Karyotyping t(15:17), t(8:21), inv (16), deletion 13q14.2(RB1), deletion 11q23	Acute Myeloid leukemia	Sodium Heparin Tube (Green Top) -4ml	5 days.	10400	73
64	VGN 235	FISH AML 5 probe FISH Panel t(15:17), t(8:21), inv (16), deletion 13q14.2(RB1), deletion 11q23	Acute Myeloid leukemia	Sodium Heparin Tube (Green Top) -4ml	10 days	11100	74
65	VGN061	14q32.3 or LSI MLL Gene breakapart,FISH 14q32.3 breakapart(Peripheral blood)	Acute Myeloid leukemia /Acute Lymphoid leukemia/ Myeloproliferative disorders	Sodium Heparin Tube (Green Top) -4ml	5 days.	3940	75
66	VGN062	14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart + Karyotyping (Peripheral blood)	Acute Myeloid leukemia /Acute Lymphoid leukemia/ Myeloproliferative disorders	Sodium Heparin Tube (Green Top) -4ml	10 days.	6000	76
67	VGN063	14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart(Bone marrow)	Acute Myeloid leukemia /Acute Lymphoid leukemia/ Myeloproliferative disorders	Sodium Heparin Tube (Green Top))-2ml	5 days.	3940	77
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Code: VGN159

Test:HBV real time PCR assay- Qualitative-Plasma

Preparation of patient: N.A.

Instructions for patient collected sample: 3 ml of plasma or 3 ml blood in EDTA (Purple) tube and Send specimen in original tube avoid hemolysis.

Sample collection: EDTA (Purple tube) PLASMA (FROM 5 TO 10 ML OF EDTA WHOLE BLOOD).

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: EDTA (Purple tube) whole blood sample to be send immediately at 2 to 8*C to Molecular genetics lab for Plasma separation

Transport: Temperature**:** Samples can be transported at ambient temperature

Preservatives:NA

Rejection Criteria: If the samples are haemolysed, Not collected in EDTA tubes, Not transported in recommended temperature, Inappropriate sample types and not received as mentioned in the above

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9 am to 4 pm

Turn Around Time: 48 hr

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative - Present or Absent
Critical value: NA

Interpretation: Detected/not detected

Storage:,Ambient - 2hrs; refrigerated -3 days; Frozen - 2 week

Code: VGN160

Test:HBV Quantitative real time PCR assay-Plasma

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection :5ml EDTA (Purple) vacutainers to collect the whole blood and send immediately at 2 to 8*C to Molecular genetics lab for Plasma operation

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) whole blood sample to be send immediately at 2 to 8*C to Molecular genetics lab for Plasma separation

Transport :**Temperature:** Samples can be transported at ambient temperature

Preservatives:NA

Method of analysis: Real Time PCR

Specimen storage: Whole blood should be separated into plasma and cellular components by centrifugation for 20 minutes at 800–1600 x *g* within 6 hours. The isolated plasma must be transferred into sterile polypropylene tubes. The sensitivity of the assay can be reduced if you freeze the samples as a matter of routine or store them for a longer period of time. Virus encapsulated DNA is stable for days if stored at 4°C,
for weeks if stored at –20°C, and even for months and years when stored at –70°C.*

Rejection Criteria: If the samples are haemolysed, Not collected in EDTA tubes, Not transported in recommended temperature, Inappropriate sample types and not received as mentioned in the above table will be rejected or not accepted.Re sampling as appropriate will be recommended. Any sample that reaches the lab > 3 hr after sample collection will be rejected as it will not generate accurate reports

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule :9 am to 4 pm

Turn Around Time: 48 hrs

Biological reference range: Linear range of this kit was determined to cover concentration from 0.02IU/ul to at least 1x 10^8 IU/ul.

Critical value: NA

Interpretation: Hepatitis B viral load can be given IU/ml for severity and prognosis

Storage: Ambient - 2hrs; refrigerated -3 days; Frozen - 2 weeks

Code: VGN161

Test:HCV real time PCR assay Qualitative-Plasma

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection :2.5 ML OF EDTA (Purple tube) PLASMA (FROM 5 to 10 ml of EDTA whole blood)

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA whole blood sample to be send immediately at 2 to 8*C to Molecular genetics lab for Plasma separation

Transport :**Temperature:**
Samples can be transported at ambient temperature
Specimen storage: Whole blood should be separated into plasma and cellular components by centrifugation for 20 minutes at 800–1600 x *g* within 6 hours. The isolated plasma must be transferred into sterile polypropylene tubes. The sensitivity of the assay can be reduced if you freeze the samples as a matter of routine or store them fora longer period of time. Virus encapsulated RNA is stable for days if stored at 4°C,for weeks if stored at –20°C, and even for months and years when stored at –70°C.* The EDTA whole blood can be transported in 2 to 8*C and the separated Plasma can be transported in deep frozen stage (-15 to - 30*C).

Rejection Criteria: If the samples are haemolysed, not collected in EDTA tubes, not transported in recommended temperature, Inappropriate sample types and not received as mentioned in the above

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time: 48 hr Method

of analysis: Real Time PCR**Critical**

value: N.A.

Biological reference range: Qualitative **-** Present or Absent

Interpretation: Detected/not detected

CODE: VGN162

Test:HCV Quantitative real time PCR assay -Plasma

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection :2.5 ML OF EDTA (Purple tube) PLASMA (FROM 5 to 10 ml of EDTA whole blood)

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) whole blood sample to be send immediately at 2 to 8*C to Molecular genetics lab for Plasma separation

Transport :**Temperature:**
Samples can be transported at ambient temperature

Specimen storage: Whole blood should be separated into plasma and cellular components by centrifugation for 20 minutes at 800–1600 x *g* within 6 hours. The isolated plasma must be transferred into sterile polypropylene tubes. The sensitivity of the assay can be reduced if you freeze the samples as a matter of routine or store them for a longer period of time. Virus encapsulated RNA is stable for days if stored at 4°C, for weeks if stored at –20°C, and even for months and years when stored at – 70°C.* The EDTA whole blood can be transported in 2 to 8*C and the separated Plasma can be transported in deep frozen stage (-15 to - 30*C).

Rejection Criteria: If the samples are haemolysed, not collected in EDTA tubes, not transported in recommended temperature, Inappropriate sample types and not received as mentioned in the above

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am -4pm

Turn Around Time:48 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Linear range of this kit was determined to cover concentration from 1 IU/ul to at least 1x 107 IU/ul.

Interpretation: Hepatitis C viral load can be given IU/ml for severity and prognosis

Storage: Ambient - 2hrs; refrigerated -3 days; Frozen - 2 weeks

CODE: VGN163

Test:HSV 1/2 real time PCR assay – Qualitative-PLASMA

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: EDTA (Purple tube) PLASMA (FROM 5 TO 10 ML OF EDTA WHOLE BLOOD).

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samplesfrom the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) whole blood sample to be send immediately at 2 to 8*C to Molecular genetics lab for Plasma separation

Transport :**Temperature:**Samples can be transported at 2-8°C

Specimen storage: Whole blood should be separated into plasma and cellular components by Centrifugationfor 20 minutes at 800–1600 x *g* within 6 hours. The isolated plasma must be transferred into sterile polypropylene tubes. The sensitivity of the assay can be reduced if you freeze the samples as a matter of routine or store them for a longer period of time. Virus encapsulated DNA is stable for days if stored at 4°C, for weeks if stored at –20°C, and even for months and years when stored at –70°C.*

Rejection Criteria: If the samples are haemolysed, not collected in EDTA tubes, not transported in commended temperature, Inappropriate sample types and not received as mentioned in the above table will be rejected or not accepted.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 24/7

Turn Around Time: 48 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative Positive or Negative

Interpretation: Detected/ not detected

CODE: VGN034

Test:HSV ½ real time PCR assay , Qualitative-CSF

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: 400 ul of CSF in a sterile container or a sterile 1.5 / 2 ml centrifuge tubes

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:400 ul of CSF in a sterile container or a sterile 1.5 / 2 ml centrifuge tubes

Transport :**Temperature:**Samples can be transported at -20* C

Specimen storage: CSF to be collected in a sterile container or a sterile 1.5 / 2 ml centrifuge tubesand to be stored and transported in frozen condition at -20*C.

Rejection Criteria: Not transported in recommended temperature, inappropriate sample types

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time:48 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative Positive or Negative

Interpretation: Detected/ not detected

CODE: VGN026

Test: BCR-ABL1 IS MMR real time PCR assay-BLOOD

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: 5 ml EDTA (Purple tube)whole blood

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 4 days before RNAextraction.

Transport :**Temperature:**Samples can be transported at 2 to 8* C

Specimen storage: Whole blood samples should be anti-coagulated with potassium EDTA and stored at 2–8°C for no more than 5 days before RNA extraction.

Rejection Criteria:Whole Blood collected in any anticoagulant other than EDTA,Specimen reaching lab after4 days from the date of sample collection,Specimen NOT stored in 2 to 8*C before reaching lab,Samples transported from long distance places (Overnight transportation) not in RNA preservative tubes.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.
Biological reference range: The results obtained on these samples show that the *ipsogen*BCR-ABL Mbcr IS-MMR assay is linear in a range from 0.003 to 65 BCR-ABL Mbcr NCN.

Interpretation: Detected/ not detected

CODE: VGN027

Test; BCR-ABL1 IS MMR real time PCR assay-Bonemarrow

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.
Sample collection : Bonemarrow aspirate

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 4 days before RNA extraction.

Transport :**Temperature:**Samples can be transported at 2 to 8* C

Specimen storage: Bonemarrow samples should be anti-coagulated with potassium EDTA and stored at 2–8°C for no more than 5 days before RNA extraction.

Rejection Criteria:Bonemarrow samples collected in any anticoagulant other than EDTA,Specimen reaching lab after 4 days from the date of sample collection,Specimen NOT stored in 2 to 8*C before reaching lab,Samples transported from long distance places (Over night transportation) not in RNA preservative tubes.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule :9am- 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: The results obtained on these samples show that the *ipsogen*BCR-ABL Mbcr IS-MMR assay is linear in a range from 0.003 to 65 BCR-ABL Mbcr NCN.

Interpretation: Detected/ not detected

CODE: VGN028

Test: JAK2 V167F real time PCR assay-Blood

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection :5 ml EDTA (Purple tube) whole blood

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 5 days before RNA extraction.

Transport :**Temperature:**Samples can be transported at 2 to 8*C

Specimen storage: Whole blood samples should be anti-coagulated with potassium EDTA and stored at 2–8°C for no more than 5 days.

Rejection Criteria:Whole Blood collected in any anticoagulant other than EDTA, Specimen reaching labafter 4 days from the date of sample collection, Specimen NOT stored in 2 to 8*C before reaching lab.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule : 9am- 4 pm

Turn Around Time:3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative Positive or Negative

Interpretation: Detection of the JAK2 V617F/G1849T mutation in genomic DNA from subjects withsuspected myeloproliferative neoplasm.

CODE: VGN029

Test: JAK2 V167Freal time PCR assay-BONEMARROW

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection : Bonemarrow aspirate EDTA (Purple tube) Vacutainers

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 5 days before RNA extraction.

Transport :**Temperature:**Samples can be transported at 2 to 8*C

Specimen storage: Bonemarrow samples should be anti-coagulated with potassium EDTA and stored at 2–8°C for no more than 5 days.

Rejection Criteria: Bonemarrow collected in any anticoagulant other than EDTA, Specimen reaching labafter 4 days from the date of sample collection, Specimen NOT stored in 2 to 8*C before reaching lab.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule :9am – 4 pm

Turn Around Time:3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative Positive or Negative

Interpretation: Detection of the JAK2 V617F/G1849T mutation in genomic DNA from subjects withsuspected myeloproliferative neoplasm.

CODE: VGN030

Test: HPV Qualitative real time PCR assay-Cervical scrape

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: Cervical sample collection container with special medium

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:

Transport: Temperature**:** Samples can be transported at 2 to 8*C

Specimen storage: Once genomic DNA is extracted, it can be stored at 2–8°C for short-term storage (≤2days) or at –30 to –15°C for up to 12 months.

Rejection Criteria: Samples other than Cervical samples will be unacceptable, Specimen NOT stored in 2 to 8*C before reaching lab, Expired stability of the medium in which is sample is collection and transported and stored.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: qualitative detection of human papillomavirus (HPV) DNA of the following 15 (probably)high-risk HPV genotypes, i.e., 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 67, and 68.

Interpretation: Detected/ not detected

CODE: VGN031

Test: HPV Qualitativereal time PCR assay-Vaginal brush

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: Self-collected vaginal brush specimens collected in special containers provided by lab.

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) **-** patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:

Transport: Temperature**:** Samples can be transported at 2 to 8*C

Specimen storage: Once genomic DNA is extracted, it can be stored at 2–8°C for short-term storage (≤2days) or at –30 to –15°C for up to 12 months.

Rejection Criteria: Samples other than Self collected vaginal brush will be unacceptable, Specimen NOT stored in 2 to 8*C before reaching lab, Expired stability of the medium in which is sample is collection and transported and stored.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9 am- 4pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: qualitative detection of human papillomavirus (HPV) DNA of the following 15 (probably) high-risk HPV genotypes, i.e., 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 67, and 68.

Interpretation: Detected/ not detected

CODE: VGN032

Test: EGFR real time PCR assay -FFPE

Preparation of patient: N.A.

Instructions for patient collected sample: Tissue block from the site of suspected tumor tissue
Sample collection: DNA samples extracted from formalin-fixed paraffin-embedded (FFPE) tumor tissue collected from NSCLC patients.

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:

Transport: Temperature**:** room temperature

Specimen storage: Store FFPE blocks at room temperature. Genomic DNA may be stored at 2–8°C for 1 week post extraction, or at –15 to –25°C for up to 8 weeks before use.

Rejection Criteria: 1) Specimen or FFPE tissue block with less than 10% tutor content will be rejected as it may not pick all the mutations. Under special conditions based on the doctors request still assay can be performed for mutations for which LOD is already mentioned above.

2) Heavily stained tissues will inhibit the real time PCR reaction, so stained FFPE tissue blocks areunacceptable.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9 am -4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Interpretation: Detected/ not detected

CODE: VGN224

Test: PML RARA Real time PCR assay- Bonemarrow /

BloodPreparation of patient: N.A.

Instructions for patient collected sample: N.A.
Sample collection : Bone marrow aspirate collect Heparin (Green Tube) or EDTA (Purple tube) Blood

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label)
- patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samplesfrom the time of collection until testing is completed and results reported.

Special precautions: EDTA (Purple tube) vacutainers stored at 2–8°C for no more than a day before RNAextraction.

Transport: **Temperature** Samples can be transported at 2 to 8* C

Specimen storage: Bone marrow samples should be anti-coagulated with Heparin (green tube) and stored at 2–8°C for no more than 5 days before RNA extraction. Whole blood samples should be anti-coagulated with potassium EDTA (Purple tube) and stored at 2–8°C for no more than 5 days before RNA extraction.

Rejection Criteria:Bone marrow samples collected in any anticoagulant other than EDTA, Heparin, Specimen reaching lab after 4 days from the date of sample collection,Specimen NOT stored in 2 to 8*C before reaching lab,Samples transported from long distance places (Over night transportation) not in RNA preservative tubes.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am- 4 pm

Turn Around Time:3

days Method of analysis:

Real Time PCR**Critical**

value: N.A.

Biological reference range: The results obtained on these samples show linear in a range from 10 to 10^5PML RARA NCN.

Critical value: N.A.
Biological reference range: Tumor content >10%.

Interpretation: Detected/ not detected
Quantitative detection and differentiation of PML-RARA fusion long (BCR1), variant (BCR2) and short (BCR3) transcript of Acute promyelocytic (M3) leukemia (APL).

CODE: VGN229

Test: HLA B27 Qualitative Real time PCR assay-Plasma

Preparation of patient: N.A.

Instructions for patient collected sample: N.A.
Sample collection: 5 ml EDTA (Purple tube) whole blood

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions:EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 5 days before RNA extraction.

Transport :**Temperature:**Samples can be transported at 2 to 8*C

Specimen storage: Whole blood samples should be anti-coagulated with potassium EDTA (Purple tube) and stored at 2–8°C for no more than 5 days.

Rejection Criteria:Whole Blood collected in any anticoagulant other than EDTA, Specimen reaching labafter 4 days from the date of sample collection, Specimen NOT stored in 2 to 8*C before reaching lab.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am- 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative Positive and Negative

Interpretation: Qualitative detection of HLA-B27 allele to assist in the diagnosis of patients with suspected ankylosing spondylitis (AS) and other autoimmune diseases

CODE: VGN228

Test: HCV Genotyping Real time PCR assay-Plasma

Preparation of patient: N.A.

Instructions for patient collected sample: N.A.
Sample collection: 5 ml EDTA (Purple tube) whole blood

Sample tracking &Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of

receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: EDTA (Purple tube) vacutainers stored at 2–8°C for no more than 5 days before RNAextraction.

Transport: **Temperature:** Samples can be transported at 2 to 8*C

Specimen storage: Whole blood samples should be anti-coagulated with potassium EDTA and stored at 2–8°C for no more than 5 days.

Rejection Criteria: Whole Blood collected in any anticoagulant other than EDTA, Specimen reaching labafter 4 days from the date of sample collection, Specimen NOT stored in 2 to 8*C before reaching lab.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am- 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: NA

Interpretation: Qualitative detection of Hepatitis C Virus (HCV) genotypes 1, 1a, 2 (2a/2b), 3, 4, 5a and 6 RNA from HCV- infected individuals.

CODE: VGN230

Test: H1N1 Qualitative Real time PCR - Nasopharyngeal swab/Nasal Swab/Throat swab/BAL/ Sputum

Preparation of patient: N.A.

Instructions for patient collected sample: Swabs collected from Nasopharyngeal /Nasal /Throat carry in special containers sample from BAL/ Sputum collect in a sterile plastic container provided by lab.
Sample collection: extracted RNA and DNA from Nasopharyngeal swab/Nasal Swab/Throat swab/BAL/ Sputum

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: Alternatively samples can be collected and transported in special containers provided by the lab, Once genomic DNA is extracted, it can be stored at 2–8°C for short-term storage (≤2 days) or at –30to –15°C for up to 12 months.

Transport Temperature: -20* C

Specimen storage: Once genomic DNA is extracted, it can be stored at 2–8°C for short-term storage (≤2days) or at –30 to –15°C for up to 12 months.

Rejection Criteria: 1) Samples other than above mentioned respiratory sample will be unacceptable.

2) Specimen NOT stored and transported in -20*C before reaching lab will be rejected as pathogen/ contamination while transportation may affect the result.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time: 48 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: Qualitative detection positive o Negative

Interpretation: Detection of influenza A and B viral RNA and novel influenza A (H1N1) viral RNA (2009 H1N1 virus)

CODE: MCB539

Test: COVID Qualitative Real time PCR - Nasopharyngeal swab & Oro pharyngeal swab

Preparation of patient: N.A.

Instructions for patient collected sample: Swab collected from Nasopharynx and oropharynx carry inVTM provided by lab.
Sample collection: extracted RNA from Nasopharyngeal swab, Oro pharyngeal swab

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: Alternatively samples can be collected and transported in Viral transport medium with zip lock Biohazard covers provided by the lab along with filled SRF, Once genomic RNA is extracted, it can be stored at 2–8°C for short-term storage (≤2 days) or at –30 to –15°C for up to 12 months.

Transport Temperature: -20* C

Specimen storage: Once genomic RNA is extracted, it can be stored at 2–8°C for short-term storage (≤2days) or at –30 to –15°C for up to 12 months.

Rejection Criteria: 1) Samples other than above mentioned respiratory sample will be unacceptable.

2) Specimen NOT stored and transported in -20*C before reaching lab will be rejected as pathogen/ contamination while transportation may affect the result.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 24/7

Turn Around Time: 24 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: NA

Interpretation: Qualitative detection of nucleic acid from SARS-CoV-2.

CODE: MCB543

Test: SARS COVID Qualitative Real time PCR (Genexpert) - Nasopharyngeal swab & Oro pharyngealswab

Preparation of patient: N.A.

Instructions for patient collected sample: Swab collected from Nasopharynx and oropharynx carry in VTM provided by lab.

Sample collection: Nasopharyngeal swab & Oro pharyngeal swab in viral transport medium solution

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: Alternatively samples can be collected and transported in Viral transport medium with zip lock Biohazard covers provided by the lab along with filled SRF, sample can be stored at 2–8°C for short-term storage (≤6 hrs)

Transport Temperature: -20* C

Specimen storage: Sample can be stored at 2–8°C for short-term storage (≤12 hrs)

Rejection Criteria: 1) Samples other than above mentioned respiratory sample will be unacceptable.

2) Specimen NOT stored and transported in -20*C before reaching lab will be rejected as pathogen/ contamination while transportation may affect the result.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 24/7

Turn Around Time: 2 hrs

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: NA

Interpretation: Qualitative detection of nucleic acid from SARS-CoV-2.

CODE: MCB544

Test: Rapid antigen test for COVID - Nasopharyngeal swab & Oro pharyngeal swab

Preparation of patient: N.A.

Instructions for patient collected sample: Swab collected from Nasopharynx and oropharynx carry in VTM provided by lab.
Sample collection: Nasopharyngeal swab & Oro pharyngeal swab

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) **-** patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: Alternatively samples can be collected in special containers provided by the lab.

Transport Temperature: NA

Specimen storage: Sample can be stored at 2–8°C for short-term storage (≤1 hr)

Rejection Criteria: 1) Samples other than above mentioned respiratory sample will be unacceptable.

2) Specimen NOT stored and transported in -20*C before reaching lab will be rejected as pathogen/ contamination while transportation may affect the result.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 24/7

Turn Around Time: 1hr

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: NA

Interpretation: Qualitative detection of nucleic acid from SARS-CoV-2.

CODE: VGN232

Test: HPV Qualitativereal time PCR Oropharyngeal FFPE

Preparation of patient: N.A.

Instructions for patient collected sample:N.A.

Sample collection: Self-collected vaginal brush specimens collected in special containers provided by lab.

Sample tracking &Labeling : Samples submitted for testing must be appropriately labelled (bar code label) -patient name, age, sex, unique hospital identification number, lab number, name of test, date &time of receipt of sample. This requirement assures positive identification and optimum integrity of

patient samples from the time of collection until testing is completed and results reported.

Special precautions:

Transport: Temperature**:** Samples can be transported at 2 to 8*C

Specimen storage: Once genomic DNA is extracted, it can be stored at 2–8°C for short-term storage (≤2days) or at –30 to –15°C for up to 12 months.

Rejection Criteria: Samples other than Cervical samples will be unacceptable, Specimen NOT stored in 2 to 8*C before reaching lab, Expired stability of the medium in which is sample is collection and transported and stored.

Factors that affect performance: Precious sample with Rejection Criteria

Test schedule: 9am – 4 pm

Turn Around Time: 3 days

Method of analysis: Real Time PCR

Critical value: N.A.

Biological reference range: qualitative detection of human papillomavirus (HPV) DNA of the following 15(probably)high-risk HPV genotypes, i.e., 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 67, and 68.

Interpretation: Detected/ not detected

CYTOGENETICS

Code: VGN010

Test:Cancer Cytogenetics - BM Chromosome analysis (Karyotyping)Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, mislabelled sample, leaking container, clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:8-10 days

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Interpretation: Abnormal / Normal Karyotype

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Code: VGN001

Test:Chromosome analysis (Karyotyping)

Preparation of patient: NA

Instructions for sample collection: NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin vacutainer (Green Top)

Sample tracking & Labelling: Samples submitted for testing must be appropriately labelled - patient name, age, sex, and unique hospital identification number, and lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport: **Time frame & Temperature:** 1-3 days at ambient temperature

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer which must be placed in a secondary container (cloth lined envelop). Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabeled sample, Mislabeled sample, leaking container, clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time: 10-12 days

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Interpretation: Abnormal / Normal Karyotype

Storage: Ambient temperature (20 - 25°C), Refrigeration: No

Prep Code: VGN004

Test:Couple karyotyping for fertility problems/ spontaneous pregnancy loss (Peripheral blood)

Preparation of patient: NA

Instructions for sample collection: NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin vacutainer (Green Top)

Sample tracking & Labelling: Samples submitted for testing must be appropriately labelled **-** patient name, age, sex, and unique hospital identification number, and lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport: **Time frame & Temperature:** 1-3 days at ambient temperature

Preservative: NA

Safety: The sample must be enclosed in a primary container**-** vacutainer which must be placed in a secondary container (cloth lined envelop). Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabeled sample, Mislabeled sample, leaking container, clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time: 10-12 days

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C), Refrigeration: No

Interpretation : Abnormal / Normal Karyotype

Code: VGN016

Test: FISH on Bone marrow CML – t(9;22) –BCR/ABL

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN047

Test: FISH & Karyotyping on Leukemic blood CML – t (9;22) – BCR/ABL

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN016

Test: FISH on Bone marrow CML – t(9;22) –BCR/ABL

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:Time frame & Temperature: Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance:Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis:Culture

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN049

Test:Bone Marrow CML-t(9;22)- BCR/ABL - FISH + KaryotypingPreparation of

patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:Time frame & Temperature: Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance:Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days. Method

of analysis:Culture & KaryotypingBiological

Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN017

Test: FISH on Leukemic blood APML – t (15;17) – PML/RARA

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN050

Test: FISH & Karyotyping on Leukemic blood- APML – t (15;17) – PML/RARA

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN017

Test: FISH on Bone marrow APML – t(15:17) – PML/RARA

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, mislabelled sample, leaking container, clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN052

Test: FISH & Karyotyping on Bone Marrow- APML – t (15;17) – PML/RARA

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 day.

Interpretation: Detected / Not Detected

CODE:VGN018

FISH on Leukemic blood AML – t (8;21) – AML1/ETO

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN053

Test: FISH & Karyotyping on Leukemic blood AML – t (8;21) – AML1/ETO

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN018

Test: FISH on Bone marrow AML – t (8;21) – AML1/ETO

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN055

Test: FISH & Karyotyping on Bone Marrow- AML – t (8;21) – AML1/ETO

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Timeframe & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN025

FISH for X/Y for BMT (Bone marrow)

Preparation of patient: NA **Instructions**

for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN025

FISH for X/Y for BMT (Peripheral Blood)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN057

Test: FISH on Leukemic blood 11q23 or MLL gene breakapart

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Timeframe & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN058

Test: FISH & Karyotyping on Leukemic blood 11q23 or MLL gene breakapart

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 da

Interpretation: Detected / Not Detected

Code: VGN059

Test: FISH on Bone Marrow 11q23 or MLL gene breakapart

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN060

Test: FISH & Karyotyping on Bone Marrow -11q23 or MLL gene breakapart

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN065

Test: FISH on Leukemic blood del (17) (p 13.1) -p 53

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN066

Test: FISH & Karyotyping on Leukemic blood del (17) (p 13.1) -p 53

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN067

Test: FISH on Bone Marrow del (17) (p 13.1) -p 53

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN068

Test: FISH & Karyotyping on Bone Marrow del (17) (p 13.1) -p 53

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN070

Test: FISH on Bone Marrow del (13) (q14.2) -RB1

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN071

Test: FISH & Karyotyping on Bone Marrow del (13) (q14.2) -RB1

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN072

Test: FISH & Karyotyping on Leukemic blood del (13) (q14.2) -RB1

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN073

Test: FISH on Leukemic blood del (13) (q14.2) -RB1

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN074

Test: FISH on Leukemic blood Inv (16) -CBFB /MYH 11

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN075

Test: FISH & Karyotyping on Leukemic blood Inv (16) -CBFB /MYH 11

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN076

Test: FISH on Bone Marrow Inv (16) -CBFB /MYH 11

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN077

Test: FISH & Karyotyping on Bone Marrow Inv (16) -CBFB /MYH 11

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN079

Test: FISH & Karyotyping on Leukemic blood t (12;21) -TEL (ETV)/AML1 (RUNX1)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN080

Test: FISH on Leukemic blood t (12;21) -TEL (ETV)/AML1 (RUNX1)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN081

Test: FISH on Bone Marrow t (12;21) -TEL (ETV)/AML1 (RUNX1)

Preparation of patient: NA

Instructions for sample collection: NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN082

Test: **FISH & Karyotyping on Bone Marrow t (12;21) -TEL (ETV)/AML1 (RUNX1)**

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN 237

Test: FISH t (9;22), ETV6/RUNX1 (TEL/AML1), 11q23 -MLL) on Bone Marrow

Preparation of patient: NA

Instructions for sample collection: NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN 236

Test: ALL panel (FISH) & Karyotyping(t (9;22), ETV6/RUNX1 (TEL/AML1), 11q23 -MLL) on Bone Marrow

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN103

Test: Multiple Myeloma FISH panel-2 & Karyotyping:t(11;14) CCND1/IGH, t(4;14) FGFR3/IGH, t(14;20) IGH/MAFB, del(13)-RB1 and del(17)- P53

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN231

Test: FISH on FFPE HER2/NEU

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: Formalin fixed paraffin embedded tissue.

Sample tracking & Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport: **Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a zip lock cover. This should carry a biohazard sticker.

Rejection Criteria: Unlabeled sample and Mislabeled sample

Factors that affect performance: Poorly fixed tissue

Test schedule: 9am – 4pm

Turn Around Time: 10 days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN 234

Test: AML PANEL: 5 probe FISH panel:t(15:17), t(8:21), inv (16), deletion 13q14.2(RB1), deletion 11q23 on Bone MarrowPreparation of patient: NA

Instructions for sample collection: NA

Sample collection: 2 mL Bone marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days. Method of analysis:Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN 235

Test: AML PANEL: 5 probe FISH panel:t(15:17), t(8:21), inv (16), deletion 13q14.2(RB1), FISH) and Karyotyping

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN061

Test: 14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart(Peripheral blood)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN062

Test: 14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart + Karyotyping (Peripheral blood)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN063

Test: 14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart(Bone marrow)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:5 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN064

Test: 14q32.3 or LSI MLL Gene breakapart, FISH 14q32.3 breakapart(Bone marrow) and Karyotyping

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE:VGN002

High resolution Banding (HRB) Peripheral blood

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping: Banding

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE: VGN003

Test: Chromosome Analysis- skin biopsy

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: Formalin fixed paraffin embedded tissue.

Sample tracking & Labeling : Samples submitted for testing must be appropriately labelled (bar code label) - patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport: **Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a zip lock cover. This should carry a biohazard sticker.

Rejection Criteria: Unlabeled sample and Mislabeled sample

Factors that affect performance: Poorly fixed tissue

Test schedule: 9am – 4pm

Turn Around Time: 10 days.

Method of analysis: Culture & Karyotyping

Biological Reference Intervals: NA

Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs, Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

CODE: VGN006

Test:NOR staining (Peripheral blood)

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label) patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working days.

Method of analysis: Culture & Karyotyping: NOR staining

Biological Reference Intervals: NA

Critical value: NA

Interpretation: Detected / Not Detected

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

CODE:VGN008

Test:Chromosome breakage study

(Peripheral blood)Preparation of patient:

NA

Instructions for sample collection:NA

Sample collection: 4 mL Peripheral Blood in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label)
- patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:15 working

days. **Method of**

analysis: Culture & Karyotyping

Biological Reference Intervals:

NA Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C)

Rejection Criteria: Do not submit specimens if the patient is currently undergoing antifungal therapy because this may result in a negative culture. If active anti fungal treatment has been initiated, discontinue the treatment for 5-30 days(based on topical vs. systemic treatment) before taking the specimen. If the first culture is negative, a repeat culture is recommended if clinically indicated. If the culture continues to be negative, a biopsy may be indicated.Samples received Frozen should be rejected.

Factors that affect performance:NA

Test schedule:24/7

Turn Around Time:3 weeks

Method of Analysis:Manual streak culture using SDA

Interpretation : Detected / Not Detected

Code: VGN 069

Test: Chronic lymphocytic leukemia(CLL) panel,C-MYC, FISH P53:ATM, D13S319:13QTER, 12CEN, MYB(6q23) FISH AND KARYOTYPING:Marrow

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label)
patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working

days. **Method of**

analysis: Culture & Karyotyping

Biological Reference Intervals:

NA Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected

Code: VGN 078

Test: Myelodysplastic syndromes(MDS) panel, FISH EGR1/RPS14(5q), MLL5/MET(7q), PTPRT/MYBL2(20q) and CEP8 AND KARYOTYPING;Blood/Marrow

Preparation of patient: NA

Instructions for sample collection:NA

Sample collection: 2 mL Bone Marrow in Sodium Heparin Tube (Green Top)

Sample tracking & Labelling : Samples submitted for testing must be appropriately labelled (bar code label)
- patient name, age, sex, unique hospital identification number, lab number, name of test, date & time of receipt of sample. This requirement assures positive identification and optimum integrity of patient samples from the time of collection until testing is completed and results reported.

Special precautions: NA

Transport:**Time frame & Temperature:** Samples can be transported at ambient temperature.

Preservative: NA

Safety: The sample must be enclosed in a primary container- vacutainer or screw capped container which must be placed in a secondary container which is watertight and is leak proof. Absorbent material must be placed between the primary and secondary container. This should carry a biohazard sticker.

Rejection Criteria: Unlabelled sample, Mislabelled sample, leaking container, Clotted sample.

Factors that affect performance: Hemolysis, Precious sample with Rejection Criteria

Test schedule: 9am – 4pm

Turn Around Time:10 working

days. **Method of**

analysis: Culture & Karyotyping

Biological Reference Intervals:

NA Critical value: NA

Storage: Ambient temperature (20 - 25°C) - 4 hrs,Refrigerated (2-8°C) – 2-3 days

Interpretation: Detected / Not Detected