Sample Type	Sample Quantity	Sample Container
Endometrium / EDTA Blood /Semen	Sml of Endometrium / EDTA Blood /Semen	Sterile Leak proof container / Blood ·EDTA Vacutainer
Body Fluid	3 ml of Body Fluid	Sterile Leak proof container
CSF	2 ml of CSF	Sterile Leak proof tube or Container
Pus / Abscess / Aspirate	2 ml of Pus / Abscess / Aspirate	Sterile leak proof Container
Tissue	Tissue in Normal Saline / Biopsy / Lymph nodes	Sterile Leak proof container
Urine	15 ml of Spot Urine	Sterile Leakproof Container
BAL	2 ml of BAL	Sterile leak proof Container
Sputum	2 ml of Sputum	Sterile leak proof Container
Urine	15 ml of Spot Urine	Sterile Leak proof container
EDTA Whole Blood	3 ml of EDTA Whole Blood	EDTA Vacutainer
LBC	10ml of LBC Material	Thin prep or Surepath LBC Container
EDTA Plasma	3 ml of EDTA Plasma	Sterile Plain Vacutainer
Vaginal Swab	1 Swab with Sufficient Material	Sterile Vacutainer
Amniotic Fluid	10 ml of Amniotic Fluid	Sterile Leak proof container
Stool	igm of stool	Sterile Leak proof container
Nasopharyngeal Swab	1 Swab Nasopharyngeal with Sufficient Material	Viral Transport Medium Tube
Serum	2 ml of Serum	Gel Top Vacutainer or Plain Sterile Vacutainer
Nasal , Groin, Axilla	1 Swab (Site - Nasal , Groin, Axilla) with Sufficient Material	Sterile Vacutainer
Endocervical	1 Urethral / Endocervical Swab with Sufficient Material	Sterile Vacutainer
Vaginal Discharge	3ml of Discharge	Urethral Discharge Sample In Sterile Container
CVS	2ml of CVS	Sterile Leak proof container
Chorionic Villus	3ml of Chorionic Villus	Chorionic Villus In Sterile Saline
Cord Blood	3 ml of Cord Blood in EDTA	EDTA Vacutainer

Chorionic Villus
Cord Blood
Sampling Guidelines test wise

SAMPLE TYPE	SHIPMENT	STORAGE BEFORE TEST	PCR TEST NAME	RNA/DNA
EDTA BLOOD	RT (Within 24hrs)	2-8 C	FACTOR V., JAK 2, EBV, BK, PARVO, VZV, PANFUNGAL PCR	DNA
EDTA PLASMA	2-8 C	Frozen	CHIKUNGUNYA PCR	RNA
SERUM	Frozen	Frozen	HBV VIRALLOAD, HSV PCR ,HBV DRUG RESISTANCE & GENOTYPING,	DNA
SERUM	Frozen	Frozen	HCV VIRAL LOAD, HCV GENOTYPING, JEV PCR, HCV QUALITATIVE	RNA
PLASMA	2-8 C	Frozen	HIV VIRAL LOAD, HCV VIRAL LOAD, HCV GENOTYPING, DENGUE PCR, JEV PCR, HCV QUALITATIVE, HIV QUALITATIVE	
PLASMA	2-8 C	Frozen	HIV, HCV VIRAL LOAD, HCV GENOTYPING ,DENGUE PCR, JEV PCR, HCV QUALITATIVE, HIV QUALITATIVE , HIV2 VIRAL LOAD	DNA
CSF	Frozen	Frozen	CMV, HSV, EBV, VZV, PANFUNGAL PCR, TB PCR	DNA
CSF	Frozen	Frozen	IEV, DENGUE, HIV-1 VIRAL LOAD	RNA
BODY FLUID	2-8 C	2-8 C	TB PCR, GENEXPERT	DNA
TISSUE	2-8 C	2-8 C	TB PCR, GENEXPERT	DNA
SPUTUM,BAL	2-8 C	2-8 C	TB PCR, GENEXPERT	DNA
NASAL SWAB	2-8 C IN VIRAL TRANSPORT MEDIUM	2-8 C IN VIRAL TRANSPORT MEDIUM	H1N1	RNA
3,4911	2.00	2.00	TO DOD CENEVOCOT CHI AMPONA DOD	DNA

	Sample o	ollection guidelines for Microbioloy tests			
Sample Type	Method of collection and transportation	Bacterial Culture	Sample Quantity AFB culture	Fungal Culture	PCR
Conjunctival/Eye specimens	See excinences should be collected by a medical specialist, an experienced exchanging or nariae. *Collect dischange or swah each yee with separate swabs by control strongers. Collected by epithenhologist. Send in startle container or preferably insociated directly onto media. *Versional face! Propriese eye for media supplication of fluid. *Swahs can be transported in Amies transport medium. *Transport at the earliest.	Min 1 ml	Min Smi	Min 1 ml	Min 1 ml
Ear specimens	Ear specimens should be collected by a medical specialist, an experienced technologist or nurse. • Aspirate discharge and collect in a sterile container or collect with a sterile swab. Transport at the earliest. Amies transport medium can be used for transportation.	2-3 ml	2-3 ml	2-3 ml	2-3 ml
Vaginal Swab/ Discharge	 Collect vaginal discharge on a sterile cotton swab and place in into Amies transport medium with aceptic precautions. Make vaginal discharge smears on clean glass slide for Gram starting. 	2/3 ml	2·3 ml	2-3 ml	2-3 ml
Body Fluids	It must be collected by an experienced medical officer. The collection is performed under strict aceptic conditions in sterile container and transported to the laboratory immediately at ambient temperature. Submit 10 mL of the specimen for analysis.	29 ml	5-10 ml	5-10 ml	5-10 ml
CSF	If must be collected by an experienced medical office." The collection is performed under strict acceptic conditions is sterile container. Transport the experience at ambient temperature. It is obtained transport to experience at ambient emperature. It is obtained transport occurs, incubate at 37°C or leave the fluid at ambient temperature for transport.	>1ml	5-10 ml	5-10 ml	5-10 ml
Pos/Woods	Summitted on your family throw of advances, however of diseases. Comment that is not forther of the comment that is not comment to the comment that is not comment that is not comment to the comment that is not comment to comment that it is not comment to the comment that is not comment that it is not comment that the comment that comment that th	23 ml	2-2 mi	2-3 ml	2-3 ml
Urfree	amount of a contementation by control angles, ordered and some contementation of the contementation and the contementation of the co	50 ml	20-30 ml	20-30 ml	20-30 ml
urine CES Preservative Tube	See a desirable per la proper de la proper dela proper de la proper de la proper de la proper de la proper dela proper de la proper dela proper de la proper de la proper de la proper de la proper dela proper de la proper dela proper dela proper de la proper dela proper de la pr				
Sputture	Early recording quadrant, hills preferred a guident specification street, with early manifest through the use of the opening solling control of the preferred preferred to the preferred preferred to the preferred preferred to the preferred to preferre	2-3 mi	23 mi	2-3 mi	2-3 ml
Semen	Facual distinctions in required for addition \$2 Mally and not not may be able to approximate the property of the second section of the control of the partner is activated to appear the partner is activated to appear the property of the partner is activated to appear the partner is but another control or the partner in the origination of the partner is but another control origination in the control origination of the control or specification. In the partner is activated and the control or specification of the control origination or the control origination origination or the control origination or the control origination or the control origination or the control origination	23 ml	Not Appropriate Specimen	2-3 ml	2-3 ml
Bronchial Brush/Washing/Lavage/Aspirate	This technique should be performed by an experienced medical officer, Nurse. Collect in sterile leak proof container. Transport in a sterile container at 2-8°C for cultures.	2-3 ml	2-3 ml	2-3 ml	2-3 ml
Uvedval Discharge	Li Con red Laview patient to unimal for or it lead one hour prior to C. Jan a set fire used uniformed with steffer normal saline. Li Collect a specimen of puripose/set discharge on a steffe control weak. See the set of the steffer of the steffer of the boost the seek has herein because of medium by multichining autoptic conditions so fit as braseport medium by multichining autoptic conditions so the proposition. Control to the superior dismostless of a step of the steffer of the step of the step of the proposition. Control the step of the discharge on a slide. If or Gram staining make a smear of the discharge on a slide.	23ml	2:3 mi	2-3 ml	2-3 ml
Gestal godiness	Collect the quorisms in the morning before the patient has collect the quorisms in the morning before the patient has 4 f increasing, click on the morals will as such molecules. For early patients were provided to the patients of the p	2-3 mi	20mi	2-3 ml	2-3 ml

Throad Seab Nead Seab	book should be collected by a model and force or by a promise model below. A model and the control to ensure the late a tongo below and an adequate light course to ensure the late a tongo below and an adequate light course to ensure the control tongo and an adequate light course to ensure the control tongo and the control tongo and a control tongo another, so or presence of any mentioner, and the late that the control tongo and control tongo the south below that the control tongo and control tongo present and the control tongo or control tongo present and the control tongo or control tongo tongo and the control tongo or control tongo tongo and the control tongo or control tongo	2 Swide	Not Appropriate Specimen Not Appropriate Specimen	2 swabs	1 swabs
Stool	Part of specialized for the optionized dispression of earlier and specialized specialized of the problems of the control of th	1 to 2 gm	Not Appropriate Specimen	1 to 2 gm	1 to 2 gm
Rectal Swab	Insert sterile swab well into the rectum and rub. Repeat until visible fecal material adheres to the swab. Put the swab in Cary- Blair transport medium, and send to the laboratory.	2 Swabs	Not Appropriate Specimen	2 swabs	1 swabs
Tissue/bipsy	Sterile instruments should be used for each tissue. Place each tissue into separate sterile container with sterile saline and transport the specimen at ambient temperature.	1-2cm	1-2cm	1-2cm	1-2cm
Halir	Strape the scalp with a blust scalpel. Place specimen in a dry startic container. Thatpport a lambest temperahru. Thatpport a lambest temperahru. Hall stable. Hall stable. Hall stable. Hall stable. Siden scales. Hall stable. Hall sta	Not Appropriate Specimen	Not Appropriate Specimen	5-10 hairs	NA
Nails	- Cleanse the nail with 70-75% ALC Bemove the outermost layer by scraping with a scalpel Bemove the outermost layer by scraping with a scalpel Transport at ambient temperature The following specimens are also acceptable: - The following specimens	Not Appropriate Specimen	Not Appropriate Specimen	5-10 Nail clippings	NA
Skin	Cleanse the kikin with 70 +5% alcohol. Colloct epidermal scales with a scalpel, at the active border of the lesion. Place spedimen in a dry, sterile container. Transport at ambient temperature.	Not Appropriate Specimen	Not Appropriate Specimen	Skin Scrappings	NA
Plasma		NA NA	NA.	NA.	3ml of EDTA Plasma
Serum		NA	NA.	NA.	3ml of Serum in Gel Vacutainer
EDTA Whole Blood		NA.	NA.	NA	3ml of EDTA Whole Blood
Stool for GI Panel (Billine)	I. Antacids, antidisinheal medications or oily faculties should not be used pilot to specimen collection. 2. Do not collect the specimen from bed pan. 3. For bidn'te filamary test Stood sample is preferred in Cary blair transport media. 4. Facecs ample should not be contaminated with urine sample.	Smil freshly passed stool sample preferably in Cary blair transport medium	Not Appropriate Specimen	Not Appropriat e Specimen	NA
Respiratory panel (Biofire test)	Patients should not have taken any antiblotics, and cough mediculoris, cough syrups, loarngs before submitting the lampides. The country of the cou	Nasopharyngeal swab in Viral transport medium (VTM)	Not Appropriate Specimen	Not Appropriat e Specimen	NA
Pneumonia panel (Bioffre Test)	Patients should not have taken any antibiotics, and cough modications, cough syrups, loanges before submitting the amplies. Bergarges and a hot but a Not offere etc. In the control of the	Spturn, BAL in sterific container	Not Appropriate Specimen	Not Appropriat e Specimen	
Meningitis/Encephalitis panel (Biofire Text)	1. Sample collection to be done in sterile lask proof container. 2. Sample to be submitted preferably before taking any indications of a submitted preferably before taking any indications a submitted and medicine. I am the submitted preferably indications are submitted in the submitted preferably indications are submitted as the submitted preferably in the submitted states as well as other investigations performed.	Min 500 ul CSF in sterile container	Not Appropriate Specimen	Not Appropriat e Specimen	

NH1N1 PCR TESTING

MATERIAL REQUIREMENTS FOR SAMPLE COLLECTION:

	Materials			Manufactu rer		
	HIViral Transport kit (MS1760)			HiMedia		
2	HIViral Nylon Flocked swabs (PW 1172)			HiMedia		
1. & 2 come together as single kit in one pack. Hence buy an additional pack of 50 nos. of PW1172 separately to collect 2 swabs for each patient						
3	N 95 mask	10 Nos.		Kevin Scientific Products		
4	Disposable gowns	1 No.		Kevin Scientific Products		
5	Soggles	1 No.		Kevin Scientific Products		

General Instructions:

1. Use PPE like N95 mask, disposable gowns, goggles and gloves before collecting the samples.

2. Identify and obsolute a separate area / room for sample collection.

3. Gisinfact the collection area with alleast tysol mop / fogging (preferably) to prevent infection.

Modely, souds specimens should be collected using woulds with a synthetic tip (e.g. polynater or Dezon*) and an aluminum or plantic shaft.

Seales with control top and wooden shafts are not recommended. Specimens collected with nearh make of calcium alginate are not acceptable.

The small specimen collected with should contain 5 and it will be report medical recommended and the calcium alginate are not acceptable.

The small specimen collection with noded contain 5 and it will be report medical mildles certification for comparison betterful and Image with and the sould be contained to the state of the state o

NOTE: TWO swabs (Nasopharyngeal and throat swab) to be collected for each patient by the following methods.

Noted to tracticate make:

Noted the tangen down with the depressor. Use a strong light source to locate are of Intermediate in the posterior pharyes and the tentillar region of the threat behind the use.

But the area lock and forth with the new.) Withdraw the sound without toologing checks, tenth or games and insert that an across-cap ind containing will be area for the containing the sound to the containing which the sound to the threat depletes the sound or given the containing which are depleted to though the threat and given the sound containing which the containing which are depleted to the containing which the containing which are depleted to the containing which are contained to the containing which are depleted to the containing wh

2. Method of callinative hereoharceast Smokh here and and not used smok.

Sea the splint confrontals, if this heart but,
store a finally may be been as the calling and the season of th

3. Collect <u>ROTH</u> swabs - Nasopharyngeal and throat swab -one each for each patient and put both the swabs into same collection (Transport Medium) tube.

4. Sample storage: Refrigerate [4 - 8 ° C] for storage up to 48 hours. Deep freeze (-70° C) for longer storage. Back-up sample for future testing should be kept at -70° C. 5. Sample transport: Pack the specimen in ice pack to maintain the cold chain. Use Absorbent cotton, tissue paper or waste newspaper for wrapping primary container.

Secondary container to hold the primary containers like ligger tabe or scaled plastic bag, insulated (or box with ice pack, sample proforms fastened on to the secondary container.

6. Sample handling and testing guidelines: Keep the sample at room temperature for 30 min to bring the specimen to ET, and cut the specimen side of the swab in the VTM containing tube, vortex the tube rigorously and remove the swabs from tube using forceps. Take 200yl of VTM in the tube and use it for RNA isolation.