

ರಾಜೀವ್ ಗಾಂಧಿ ಆರೋಗ್ಯ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಕರ್ನಾಟಕ Rajiv Gandhi University of Health Sciences, Karnataka

Dr. S. Sacchidanand MD,DVD,DHA,FRCP (Glasgow) Vice-Chancellor

No. RGU/VC/PS/09/21-22

25/05/2021

CIRCULAR

This is to bring to the awareness of all the research scholars of our affiliated institutions that the Kidwai Memorial Institute of Oncology, Bengaluru has established an advanced 'Molecular Oncology Lab, which provides tests including genetic, molecular, and IHC tests.

These services are being provided at very economical rates for the researchers of our affiliated colleges. Therefore, the researchers may be informed of the services in your respective institutions.

> کیسک DR. S. SACCHIDANAND

To,

Heads of All Affiliated Institutions, to bring to the notice of their research scholars.

ಕಿದ್ವಾಯಿ ಸ್ಮಾರಕ ಗಂಥಿ ಸಂಸ್ಥೆ

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಯತ್ತತಾ ಸಂಸ್ಥೆ ಪ್ರಾದೇಶಿಕ ಅರ್ಬುದ ಸಂಶೋಧನ ಮತ್ತು ಚಿಕಿತ್ಸಾ ಕೇಂದ್ರ

KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY

GOVERNMENT OF KARNATAKA AUTONOMOUS INSTITUTION (REGIONAL CENTRE FOR CANCER RESEARCH & TREATMENT MEMBER OF INTERNATIONAL UNION AGAINST CANCER)

PHONE : 91 - 80 - 26560722 (DIRECTOR) : 91 - 80 - 26094000 Fax : 91 - 80 - 26560723

GSTIN: 29AAATK3049D1ZS

ಡಾ॥ ಎಂ.ಎಚ್. ಮರೀಗೌಡ ರಸ್ತೆ, ಬೆಂಗಳೂರು – 560 029. Dr. M.H. Marigowda Road, Bengaluru - 560 029. KARNATAKA, INDIA.

NO:PER/Cab-1/D-3-59a/2021

Dt: 20.5.2021

The Hon'ble Vice Chancellor Rajiv Gandhi University of Health Sciences Jayanagar, IV Block Bangalore.

Sir,

Sub: Availiability of advanced Molecular tests in our Institute

This is to inform you that we have established an advanced Molecular Oncology lab in Kidwai Memorial Institute of Oncology. I am enclosing the list of available tests including genetic/molecular/IHC tests. The rate fixed for these advanced tests are very low and I would request the University to utilize these services for research purpose at reduced rates.

A copy of the facilties available in the Molecular Laboratory and tests conducted are enclosed herewith.

Thanking you,

Yours faithfully,

Dr.C.Ramachandra DIRECTOR

Copy to Dr.Venkatesh, Director, Advanced Research Dept. RGUHS.

Registered under Karnataka Societies Registration Act 1960, Regn. No. S475/79-80 Donations to this Institute are exempt from Income Tax U/S 80G of IT Act, 1961. Website : www.kidwai.kar.nic.in



		Equipments	Manufacturer	Total Nos
il No	Equipment Name	Model		
1	Autoclave Rotek plus	CAT-PAN-04Dï-SS	Rotek (Vasa scientific)	1
2	BD FACSLyric Flow cytometer	BD FACSLyric	BD	1
3	Bench top centrifuge	CAT-R80BL	REMI	11
4	Bio safety cabinet 1300 seriesA2	1374	Thermo Fisher Scientific	2
5	Bio safety cabinet 1300 seriesA2	1384	Thermo Fisher Scientific	1
6	Bio safety cabinet 1300 seriesA2	1336	Thermo Fisher Scientific	1
	Biomeck i5 automated workstation	REF-B87583	Beckman coulter	1
7	Carl zeiss Fluorescent Microscope	Imager:Z2	Zeiss	1
8	Centrifuge Sorvall ST 16R	REF-75004380	Thermo Fisher Scientific	1
9	Centrifuge Sorvall ST4R Plus	REF-75009924	Thermo Fisher Scientific	1
10	Hybridization chamber for FISH	TDH-500	Meta systems	1
11	DRY Bath	CAT-DBI-2		1
12	Echo 525 (Echo Acoustic handler)		Beckman coulter	1
13		5804R	eppendorf	1
14	Eppendrof AG Centrifuge 5804R HERACELL VIOSA 16oi CO2 Incubator	REF-51030478	Thermo Fisher Scientific	1
15	Ion genStudio Next Generation Sequencer	S5 Prime	Thermo Fisher Scientific	1
<u> 16</u> 17	Ion one touch 2 instrument	REF-INS1005527	Thermo Fisher Scientific	1
	lon one touch ES	8441-22	Thermo Fisher Scientific	1
18 19	Ion chip minifuge 220-240V	REF-4479673	Thermo Fisher Scientific	1
	jnmedsys, Clarity reader	C104	Jnmedsys	1
20	jnmedsys, clarity scalingB28:M30	C103	Jnmedsys	1
21	jnmedsys,clarity autoloader	C102	Jnmedsys	1
22	Quantstudio 5 RT-PCR Instrument (384		Thermo Fisher Scientific	2
23	well) Quantstudio 5 RT-PCR Instrument (96 well)	A34322	Thermo Fisher Scientific	3
24 25	VERITI 96well thermal cycler	4375786	Thermo Fisher Scientific	2

	Purification Automate Kingfisher Flex	5400630	Thermo Fisher Scientific	3
26	Furnication Automate Augusta		Thermo Fisher	
	Laboratory Refrigerator 2-8	PLR386	Scientific	6
27	, ,		Thermo Fisher	
	Laboratory Refrigirator -20	PLF276	Scientific	1
28	Laboratory Refrigirator-20°	FFGL3030V	Thermo Fisher	1
			Scientific	1
29 30		902GP 8940086V	Thermo Fisher	1
	Laboratory Refrigirator -80		Scientific	
30	D Citizeter 80		Thermo Fisher	1
31	Laboratory Refrigirator -80	05100001	Scientific Thermo Fisher	
	10 mm in 12 1		Scientific	2
32	Myspin 12-1	75004081	Scientine	
	Work station for PCR	CAT-PCR-STN-02		2
33		TECDOO	Thermo Fisher	2
24	Water Bath (Precision GP20)	TSGP20	Scientific	
34	Spinix vertex shaker	CAT-3020	TARSON	9
35	Hot air oven	HAO-1414	Vasa scientific	1
36		LMIF-30	Labman	1
37	Ice flaker LMIF-30		REMI	1
38	Magnetic stirrer	SMLH		
	Mix mate eppendoff		Eppondorf Thermo Fisher	1
39		REF-Q33	Scientific	1
40	Qubit 4 Fluorometer		Aczel	1
41	Weighing Balance			
	Weighman weighing scale		Vasa scientific	1
42	Vitros Eci immunodiagnostic system		Jhonson & Jhonson	1
43	Sufogie disinfect machine		Vasa scientific	• 1
44	Sufogie disinfect machine	PN-L8T14AV	HP	1
45	HP Z240 SFF Worksation (system)	T6B51A	HP	1
46	Colour Laser Jet Pro 154a	PN-A34436	Dell	1
47	Dell server	PN-A36305	Dell	1
48	Dell server	PA71A	Epson	1
49	Epson LX-310 (PRINTER)	REF-AMF7000	Invitrogen	1
50	EVOS M7000 with computer set	PN-1PX48AA	НР	1
51	LCD Display monitor	PIN-TEV4044	Thermo Fisher	
51	Pipette (100-1000 μL)	4642090	Scientific	6
52	Pipette (100-1000 µ-)	4042050	Thermo Fisher	
	Pipette (20-200 μL)	4642080	Scientific	7
53			Thermo Fisher	
	Pipette (02-20 μL)	4642050	Scientific	6

55	Pipette (0.2-2 μL)	4642010	Thermo Fisher Scientific	4
56	Multichannel Pipette (1-10 μL)	4662000	Thermo Fisher Scientific	1
57	Multichannel Pipette (10-100 µL)	4662020	Thermo Fisher Scientific	1
58	Multichannel Pipette (30-300 µL)	4662030	Thermo Fisher Scientific	1
59	Orbitrap ID-X Tribrid Mass Spectrophometer	FSN03-10000	Thermo Fisher Scientific	1
60	Vanquish Horizon UHPLC System, Integrated biocompatible system	IQLAAAGABHFAPU MZZZ	Thermo Fisher Scientific	1
61	Mass Frontier Spectral Interpretation Software	OPTON-30976	Thermo Fisher Scientific	1

	ne in Centre for Advanced Genomics and Molecular Diagnostics KRAS mutation analysis
	NRAS mutation analysis
	BRAF mutation analysis
	EGFR mutation analysis
	BCR-ABL Quantitative with or without breakpoint
	PML-RARA gene fusion analysis Qualitative/Quantitative
	Myeloproliferative Neoplasm reflex panel
	Pediatric leukemia panel
	AML comprehensive panel
	ALL comprehensive panel
	PIK3CA mutation analysis
CR/Sanger conversion to the	MSI by PCR sanger sequencing
CR/Sanger sequencing based tests	JAK2 mutation detection
	T-cell receptor gene rearrangement
	IGH gene rearrangement
	c-KIT mutation analysis
	DPD gene mutation analysis
	CEBPA mutation analysis
	IRMA (Imatinib Resistance Mutation Analysis)
	UGTA1A polymorphism
	HPV 16&18 detection
	Covid-19 by Real time PCR
	HBV DNA PCR
	HCV RNA PCR and Genotyping
	BRCA1 & 2 basic panel
	Hereditary breast and ovarian cancer panel
lext Generation Sequencing (NGS)	Lung DNA panel
based tests	Lung RNA panel
	Colorectal cancer panel
	Cancer Hotspot panel
	Lung cancer panel- ALK & ROS1
	Myeloma Panel- IGH, ATM-TP53, DELULAMP/12cen
FISH based tests	ALL panel- BCR/ABL1, KMT2A, ABL2, ETV6-RUNX1
	MDS panel- Del 20q, 5q31/5q33/5p31, Del7 (q22, q31)
	CLL panel- DLEU/LAMP/12cen, ATM TP53
아이는 것은 것은 것을 가지?	Her2neu
	AML MRD panel
	T-ALL MRD panel
	B-ALL MRD panel
	Myeloma MRD panel
	MDS panel
	CD34 enumeration
Flow cytometry Based tests	PNH flow cytometry

	HLA B27 flow cytometry		
	CD4, CD8 count		
	Leukemia basic panel		
	Lymphoma basic panel		
	AFP, AR, Beta-catenin, CD3, CD117, CD79a, CK 5 & 6, CDH17, CEA,		
	Calretinin, Chromogranin, Cyclin D1, Desmin, ER, E-cadherin, GAT		
	3, HER2, Inhibin-A, Ki-67, MUC-1, Myogenin, MLH1, MSH2, PAX5,		
	PAX8, PMS2, PSA, PR, S100, Synaptophysin, TTF1, VEGF, VIMENTII		
IHC based test	WT1 and many more IHC markers are done for the characterization		
	of cancer		
	Albumin		
	Ammonia		
	Alanine Transaminase (ALT/SGPT)		
	Alkaline Phosphatase (ALP)		
	Amylase		
	Calcium		
	Cholesterol		
	Chloride (Cl⁻)		
	Creatine kinase (CK)		
	СК-МВ		
	Creatinine		
	D-Dimer		
	Gamma Glutamyl Transferase (GGT)		
	Glucose (FBS/PPBS/RBS/)		
	HDL-Cholesterol		
	Glycosylated Hemoglobin (HbA1C)		
	Iron		
	Lactate dehydrogenase (LDH)		
	Lipase		
	Magnesium		
	Phosphorous		
	Potassium (K ⁺)		
	Sodium (Na ⁺)		
	Serum osmolality		
	Total Protein		
	Triglycerides		
	Troponin -I		
	Troponin –T		
	Uric Acid		
	Urea		
	Alpha Fetoprotein(AFP)		
	Anti-Thyroglobulin (Anti TG)		
	Beta-HCG		

B2 Microglobulin
CA125 CA15.3
CA19.9
Carcino Embryonic Antigen (CEA)
Cortisol
Folate
Free T3
Free T4
Ferritin
HE4
Interleukin-6 (IL-6)
Parathyroid Hormone (PTH)
Procalcitonin (PCT)
Tri lodoThyronine (T3)
Thyroxine (T4)
Thyroglobulin
Prostate specific Antigen (PSA)
Thyroid Stimulating Hormone (TSH)
Vitamin B12
Vitamin D Total
Serum Electrophoresis
Serum Immunofixation
Serum Free light chain assay- Kappa and Lambda
Liver Function Test (Total and Direct Bilirubin, Total Protein,
Albumin, Globulin, ALP, GGT, AST, ALT)
Renal Function Test 1 (RBS, Urea, Creatinine, Sodium, Pottasium,
Chloride)
Cardiac Enzymes (CK,CKMB,TROP-T,TROP-I)
Electrolytes (Na ,K,Cl) Renal Function Test 2 (Na,K,Cl,Urea ,Crea ,GLU,Phos ,MG ,Ca,Uric
Acid ,ALB,ALKP)
Chemotherapy Panel- ALT, AST, Total bilirubin, creatinine, Calcium
Chemotherapy ranel ⁻ Act, Ast, Total bintubil, creatiline, Caldun
Serum Chromogranin A
Covid Ab IgG & Total
Serum Methotraxate
Digoxin
Digitoxin
Amphitamines
Barbiturates
Cannabinoids
Cociane
LSD
Ethanol
Methadone
Methaqualone

Clinical Chemistry based assays

1. Contraction of the second sec	Opiates
	Acetaminophen
	Carbamazepine
	Phenobarbitol
	Phenytoin
	Procainamide
이 이 것 같은 것 같은 것 같은 것이 같이 봐.	Salicylate
	Theophyline
	Tobramycin
	Sirolimus
	Tacrolimus
	Valproic acid
	Proteomic analysis
	Narcotics like- Marijuana, Opioids, Heroin, Codeine, Oxycodone,
	Morphine, Anabolic agents like-Bolandiol, Danazol, Metenolone,
	Nandeolone etc, Salbutamol, Salmeterol, terbutaline
	Metabolic screening in disorders like Cancer and Metabolic disorders etc
LC-MS based assays	Amino acid analysis in body fluids
	Therapeutic drug monitoring (TDM) of drugd like- Afatinib, Axitinib, Dabrafenib, Dasatinib, Erlotinib, Gefitinib, Ibrutinib, Imatinib,
	Nilotinib, Sunitinib, Vanditanib, Vemutafenib, 5-FU, Methotrexate,
그는 법과 강화가는 도망한 것 같은 것	Busulfan.
	Steroid Hormone assays like- Adrosterone, DHEA, 17B-estradiol
	(E2), Estrone (E2), 17-a-Hydroxyprogesterone, Testosterone.

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