

The GBSR services are presented here with very general descriptions. To get a better idea of what is included in the service and how to calculate the project cost, please contact Maarit@cc.hawaii.edu for Laboratory services, and Dengy@hawaii.edu for Bioinformatics. Project cost estimates and initial consultations are

**Kaka'ako Health Sciences Campus (UHCC& JABSOM)
Genomics and Bioinformatics Shared Resource (GBSR)**

Services and Charges (FY19)

Service category	Service	Service Unit	Standard (UH)	NCI-Subsidized
DNA Isolation	DNA Extraction <1ml	sample	\$16.41	\$15.14
	DNA Extraction >1ml	sample	\$30.92	\$28.09
	DNA isolation from FFPE tissue	sample	\$19.73	\$18.63
	DNA from plasma&serum	sample	\$42.76	\$41.03
RNA isolation	RNA isolation from blood - PAXGene	sample	\$38.06	\$35.63
	RNA/miRNA isolation from blood/plasma/serum/saliva	sample	\$27.19	\$25.58
	RNA isolation from cells or tissue	sample	\$23.20	\$21.79
	RNA isolation from FFPE tissue	sample	\$35.84	\$33.63
	AllPrep DNA&RNA isolation	sample	\$33.95	\$31.94
	AllPrep DNA&RNA FFPE isolation	sample	\$37.90	\$35.82
	Tissue Disruption	sample	\$21.34	\$20.42
Quantity & Quality Analysis	Picogreen or Qubit quantification for DNA	sample	\$2.08	\$1.97
	Bioanalyzer -RNA Nano/Pico or DNA 1000	sample	\$6.70	\$6.33
	Bioanalyzer- Small RNA	sample	\$9.21	\$8.74
	Bioanalyzer- DNA High Sensitivity	sample	\$10.14	\$9.65
cDNA synthesis for PCR	cDNA synthesis, Random primed	sample	\$5.89	\$5.55
	cDNA synthesis for miRNA	sample	\$14.33	\$13.46
	cDNA preamplification	sample	\$14.60	\$13.91
PCR/Gel analysis	TaqGold PCR	sample	\$3.59	\$3.35
	Agarose Gel Analysis (up to 10 samples)	gel	\$58.26	\$54.57
	Agarose Gel Analysis (up to 48 samples)	gel	\$128.89	\$121.10
OpenArray PCR	96 to 144 samples	OpenArray	\$179.46	\$169.19
	49 to 96 samples	OpenArray	\$167.33	\$157.58
	12 to 48 samples	OpenArray	\$98.97	\$91.13
Bisulfite treatment for DNA	Bisulfite treatment, 96-well	sample	\$5.01	\$4.75
	Bisulfite treatment, small sample+FFPE	sample	\$9.97	\$9.23
	Bisulfite treatment	sample	\$8.64	\$7.81
Pyrosequencing	Pyrosequencing	sample	\$14.67	\$13.95
TaqMan Genotyping	Small Scale (min. 1000 reactions)	reaction	\$0.98	\$0.93
	Medium Scale (3000+ reactions)	reaction	\$0.87	\$0.82
	Genotyping w/o assay	reaction	\$0.73	\$0.69
TaqMan Copy Number Analysis	TaqMan copy# assay	reaction	\$1.33	\$1.28
TaqMan Expression analysis	Expression qPCR 96 well plate	reaction	\$2.24	\$2.11
	Expression qPCR 384 well plate	reaction	\$1.19	\$1.13
	Housekeeping gene primers 20ul rxn	sample	\$0.69	\$0.66
	Housekeeping gene primers 10ul rxn	sample	\$0.46	\$0.44
	TaqMan qPCR array plate run w/o assays	plate	\$105.11	\$98.98
GeneChip Expression assay	Gene Expression assay full service w/o chip	sample	\$272.44	\$261.47
	Clariom assay full service w/o Chip/Reagents	sample	\$121.21	\$114.62
	miRNA microarray Exp assay w/o chip	sample	\$118.95	\$114.54
	Hyb, Wash and Stain & Scan for Expression chips	sample	\$49.97	\$47.93
Illumina assays	Infinium BeadChip sample prep and run w/o assays and chips	sample	\$30.82	\$25.80
	EPIC BeadChip sample prep and run w/o assays and chips	sample	\$31.35	\$28.63
NGS sample prep	RNA-Seq library prep with QC/norm/pool	sample	\$260.52	\$247.62
	Library QC, normalization and pooling	sample	\$58.57	\$55.64
	Library normalization and pooling (w/o QC)	sample	\$14.12	\$13.29
NextSeq 500 runs	NGS run only (customer flow cell)_Tier1	pool	\$68.56	\$63.28
	NGS run only (customer flow cell)_Tier2	pool	\$82.28	\$75.94
	NGS-run-Mid-150 cycle-130M total reads_Tier1	pool	\$1,187.38	\$1,151.28
	NGS-run-Mid-150 cycle-130M total reads_Tier2	pool	\$1,253.81	\$1,215.70
	NGS-run-Mid-300 cycle-130M total reads_Tier1	pool	\$1,865.68	\$1,806.16
	NGS-run-Mid-300 cycle-130M total reads_Tier2	pool	\$1,948.26	\$1,886.11
	NGS-run-High-75 cycle-400M total reads_Tier1	pool	\$1,601.34	\$1,550.90
	NGS-run-High-75 cycle-400M total reads_Tier2	pool	\$1,677.63	\$1,624.79
	NGS-run-High-150 cycle-400M total reads_Tier1	pool	\$2,992.85	\$2,903.36
	NGS-run-High-150 cycle-400M total reads_Tier2	pool	\$3,102.28	\$3,009.52
DNA Plate Preparation	Plate Preparation, Stock and Normalization	plate	\$172.72	\$160.98
	Plate Preparation, Normalization only	plate	\$123.54	\$115.48
Consultation	Faculty (Genomics)	hr	\$117.65	\$94.12
	Technician (Genomics)	hr	\$57.62	\$52.23
	Faculty (Bioinformatics)	hr	\$120.00	\$100.00
	Technician (Bioinformatics)	hr	\$60.00	\$50.00