Survey Responses from over 100 Biobanks

Specimen / Product Selling Price

Bone marrow	\$0	\$1-50 83%	\$51-99 9%	\$100-\$149	\$150-\$199 8%	\$200-\$249	\$300-\$349	\$350-\$399	\$400-\$449	\$450-\$499	\$650-\$699	\$700-\$799	\$9,000-\$9,999	not reported
Buccal cells	62%	5%	976		33%									
Buffy coat	13%	43%	14%	4%	12%									14%
Cerebrospinal fluid (CSF)	1370	90%	1470	6%	4%									1470
Cord blood		3070		070	22%	78%								
DNA, blood	8%	41%	23%	5%	1%	7070								21%
DNA, tissue	18%	44%	24%	370	3%									12%
Grand Total	12%	45%	9%	8%	5%	3%			1%			1%		17%
H&E Slide, normal tissue	13%	46%	6%	10%	370	370			170			170		24%
	1570		070	10%										2470
H&E slide, tumor and adjacent normal tissue FFPE	26%	100% 36%		20%										18%
H&E Slide, tumor and adjacent normal tissue sample FFPE			F0/											
H&E slide, tumor tissue	11%	68%	5%	8%		504						201		8%
Normal tissue	22%	39%	2%	15%		6%				-01		3%		13%
Normal tissue FFPE block	23%	34%		17%		4%				6%				16%
Normal TMA block	76%												24%	
Other: Blood clot	100%													
Other: Blood spot card		100%												
Other: Bone		100%												
Other: Buffy coat, clot from tube		100%												
Other: CBMC's						100%								
Other: Cell free DNA														100%
Other: Cell lines							100%							
Other: Cervical cell samples														100%
Other: Cervical/Vaginal/Rectal swabs (multiomics)						100%								
Other: Circulating tumor cells (CTC)														100%
Other: DNA, saliva			100%											
Other: DNA, saliva		100%												
Other: Dried blood spots														100%
Other: Erythrocytes	100%													
Other: Established cell lines, custom					100%									
Other: Feces	100%				200.0									
Other: Fibroblast cell lines	10070		100%											
Other: Formalin fixed placental tissue			10070		100%									
Other: Hair		100%			100%									
Other: Hair														
		100%												
Other: Image of H&E Slide, tumor and adjacent normal tissue sample FFPE		100%												
Other: IPS cells														100%
Other: LCL generated cell lines from PMBC's														100%
Other: Library														100%
Other: Lymphblast cell lines		100%												
Other: Lymphoblastic cell lines			100%											
Other: Lymphocytes														100%
Other: Maygrunwald giemsa stained bone marrow smears	100%													
Other: microRNA, CSF				100%										
Other: Muscle				100%										
Other: Nail		100%												
Other: Nerve				100%										
Other: Not specified		100%												
Other: RBC pellet		100%												
Other: RNA later preserved placental punches						100%								
Other: Serum, blood clot from tube		100%												
Other: Skin biopsy for fibroblast culture		100%												
Other: Snap frozen placental tissue		10070				100%								
Other: Stool		100%				10070								
Other: Tissue for DNA		100%												
Other: Toenails		100%												
Other: unstained BM smears	1000/	100%												
Other: WBC from peripheral blood/bone marrow	100%	1000/												
Other: Whole blood for EBV Lymphoblast culture	00/	100%	201		4 707	440/								200/
PBMC's	9%	23%	3%		17%	11%								38%
PBMC's		100%												
Plasma	9%	54%	8%	8%	5%									16%
Post mortem tissue			42%	38%	12%									8%
Protein lysate														100%
RNA, blood	12%	36%	14%	15%	2%									23%
RNA, tissue	13%	43%	19%	2%	4%									20%
Saliva	19%	43%	23%											16%
Serum	10%	55%	10%		5%			2%						17%
Skin		49%			28%				23%					
Sperm	100%													
Stem cells												100%		
Synovial fluid		39%												61%
Tumor and adjacent normal tissue	7%	42%	5%	11%	7%	1%			6%					22%
Tumor and adjacent normal tissue FFPE blocks	12%	25%	3%	34%	3%	1/0			370		4%			19%
			3/0	3+/0	3/0	34%					7/0			1970
Tumor and adjacent normal TMA blocks	40%	26%	20/	00/	20/				C0/			20/		00/
Tumor tissue	18%	45%	2%	9%	2%	6%			6%	E0/		3%		8%
Tumor tissue FFPE block	11%	55%		14%		3%				5%				13%
Tumor TMA block	28%			41%									9%	23%
Urine Whole blood	6%	63%	6%	5%	8%									12%
	1%	63%	5%	1%	5%									25%

Services Selling Price

Service	\$0/free	\$1-\$49	\$50-\$99	\$100-\$149	\$150-\$199	\$200-\$249	\$250-\$299	\$300-\$399	\$400-\$499	\$500-\$599	\$600-\$699	\$700-\$799	\$800-\$1000	\$1,000-\$1,999	\$2,000-\$4,999	\$5,000-\$5,999
Annual biospecimen/project collection report	69%	13%	18%													
Biobank consumable/supply ordering support	62%	29%		8%												
Biobank inventory management database quality/best practice review audit	72%	7%	11%	10%												
Biobank project/protocol consultation		100%														
Biobank technical support, in-or out-sourced	50%	21%	10%	19%												
Biobanking project/protocol consultation	59%	4%	15%	7%	10%	3%	3%									
Biospecimen inventory management database consultation	59%	22%	5%	770	1%	376	7%			5%						
	54%	17%	5%	11%	176	7%	776			376				6%		
Biospecimen procedure/SOP writing			376	1176	24%	/76								076		
Biospecimen proficiency testing	24%	51%			24%											
Biospecimen proficiency testing (sample set)	60%	40%														
Biospecimen protocol and/or consent writing	64%	6%	20%	7%		3%										
Biospecimen protocol regulatory submission	56%	12%	9%	10%			13%									
Copy of pathology report	26%	49%	13%	9%								3%				
DNA sequencing		21%	23%				24%			31%						
Education and training	65%	9%	8%			9%								9%		
Evaluating and/or consenting donors for specimen and/or data collection	53%	14%	22%	8%			3%									
Gene expression profiling (DNA, RNA, protein)		16%	5%	24%		22%				32%						
Genetic testing		63%	370	37%		2270				3270						
	20%	3%	59%	17%												
Immunohistochemistry (IHC) testing			3976				220/									
In-situ hybridization (ISH) testing	27%	0%		51%			23%									
Mass spectrometry 2-D protein profiling		0%	43%			57%										
Mass spectrometry protein profiling, isotope tagging method		0%		43%			57%									
Other: Automated DNA/RNA extraction from batch samples	100%	0%														
Other: Auxiliary staff support		0%		100%												
Other: Biospecimen protocol and/or consent writing, including SOPs		100%														
Other: Chart extraction		100%														
Other: Distribution myoblast cell line, each		0%	100%													
Other: Distribution, flat fee		0%	100%													
Other: DNA extraction		100%	10070													
Other: DNA extraction Other: DNA extraction from 1 to 5 mls whole blood		100%														
Other: DNA Integrity testing	100%	0%														
Other: DNA/RNA concentration/purity testing by spectrophotometry	100%	0%														
Other: Document management (E.g. CDA/contracts, MTA/IRB)		0%				100%										
Other: dsDNA quantity determination		100%														
Other: Education and training, flat fee		0%							100%							
Other: Equipment use		0%								100%						
Other: Equipment/Supply use		0%		100%												
Other: Establishment of cell lines from muscle, each		0%			100%											
Other: Establishment of cell lines from skin, each		0%	100%		10070											
			100%													
Other: Extraction of DNA/RNA, each		100%														100%
Other: Genetic testing, flat fee		0%														100%
Other: Invoicing and packing		0%		100%												
Other: Karyotyping		0%								100%						
Other: Label printing		100%														
Other: Laboratory use		0%												100%		
Other: Microsatellite fingerprinting		100%														
Other: Packaging specimen shipments (flat fee, does not include additional shipping fees)		0%	100%													
Other: Post mortem brain tissue retrieval and handling		0%		100%												
Other: Sample storage and monitoring, annually per shelf		0%		20070										100%		
Other: Sample storage and monitoring, annually per shell Other: Serum/plasma processing, each		100%												100/0		
Other: Specimen aliquotting		100%														
				1000/												
Other: Specimen shipping & handling costs, flat fee (does not include shipping fees)		0%		100%												
Other: Supply use		0%						100%								
Other: Vial relabeling		100%														
Pathology case review for clinical diagnosis and morphological confirmation	28%	26%	21%	10%	5%			6%				3%				
Pathology external consult, case review	11%	20%	49%	11%	9%											
Protein microarrays ("Protein chip")		0%				43%	57%									
Return of biospecimen research results to study participants and/or specimen donors	59%	9%	32%													
RNA integrity number (RIN) testing	24%	34%	34%	8%												
RNA sequencing	2476	0%	3473	43%								57%				
Sample collection inventory management	51%	22%	18%	10%								3170				
Sample collection inventory management quality/best practice review audit	68%	2%	20%	11%												
Sample collection inventory management, culling	38%	53%	9%													
Sample collection inventory management, disaster recovery	88%	2%	10%													
Sample collection inventory management, transfer and/or relocation	44%	48%	8%													
Sample storage and monitoring	38%	48%	11%		3%											
SNP genotyping		21%	48%			31%										
Specimen biosketch report	41%	26%	33%													
Specimen collection kit assembly and shipping	33%	48%	11%	7%		1%										
Specimen transport	43%	29%	20%	8%												
				070												
Study cohort selection	84%	0%	16%													

Specimen / Product Collection Volume

	1-250	250-500	500-1,000	1,500-2,000	2,000-2,500	2,500-3,000	3,000-3,500	3,500-4,000	4,000-4,500	4,500-5,000	5,000-5,500	5,500-6,000	6,500-7,000	7,000-7,500	7,500-8,000	8,000-8,499	10,000-20,000	20,000-29,999	40,000-50,000	70,000-80,000	666'66-000'06	150,000-200,000	>250,000	not reported
Bone marrow	62%	21%						9%	8%											•		ä		
Buccal cells	68%	5%	27%																					
Buffy coat	22%	24%	28%	3%	10%		1%	9%								1%	2%							
Cerebrospinal fluid (CSF)	63%		4%	17%			16%																	
Cord blood	22%				78%																			
DNA, blood	24%	24%	4%	11%		3%	16%				2%	3%			2%		4%						6%	
DNA, tissue	37%		27%	13%	2%		12%				9%													
H&E Slide, normal tissue	51%	19%	9%							15%														6%
H&E slide, tumor and adjacent normal tissue FFPE	100%																							
H&E Slide, tumor and adjacent normal tissue sample FFPE	44%	20%	13%	8%						14%														
H&E slide, tumor tissue	39%	11%	18%	15%						12%														5%
Normal tissue	46%	4%	8%	13%	9%					7%														13%
Normal tissue FFPE block	30%	14%	17%	24%						15%														
Normal TMA block	76%	24%																						
Other: Blood clot	100%																							
Other: Blood spot card		100%																						
Other: Bone		100%																						
Other: Buffy coat, clot from tube	100%																							
Other: CBMC's	100%																							
Other: Cell free DNA	100%																							
Other: Cell lines	100%																							
Other: Cervical cell samples																							100%	
Other: Cervical/Vaginal/Rectal swabs (multiomics)			100%																					
Other: Circulating tumor cells (CTC)	100%																							
Other: DNA, saliva		100%																						
Other: DNA, saliva		52%					48%																	
Other: Dried blood spots																		100%						
Other: Erythrocytes			100%																					
Other: Established cell lines, custom	100%																							
Other: Feces	100%																							
Other: Fibroblast cell lines			100%																					
Other: Formalin fixed placental tissue			100%																					
Other: Hair		100%																						
Other: Hair	100%																							
Other: Image of H&E Slide, tumor and adjacent normal tissue sample FFPE			100%																					
Other: IPS cells		100%																						
Other: LCL generated cell lines from PMBC's	100%																							
Other: Library																						100%		
Other: Lymphblast cell lines	100%																							
Other: Lymphoblastic cell lines			100%																					
Other: Lymphocytes						100%																		
Other: Maygrunwald giemsa stained bone marrow smears				100%																				
Other: microRNA, CSF	100%																							
Other: Muscle	100%																							
Other: Nail	100%																							
Other: Nerve	100%																							
Other: Not specified	100%																							
Other: RBC pellet								100%																
Other: RNA later preserved placental punches			100%																					
Other: Serum, blood clot from tube	58%				42%																			
Other: Skin biopsy for fibroblast culture	100%																							
Other: Snap frozen placental tissue			100%																					
Other: Stool			100%																					
Other: Tissue for DNA		100%																						
Other: Toenails	0 /	100%																						
Other: unstained BM smears	100%			4000/																				
Other: WBC from peripheral blood/bone marrow	4000/			100%																				
Other: Whole blood for EBV Lymphoblast culture	100%	470/	4.40/		20/	00/			20/		c0/													
PBMC's	17%	47%	14%		3%	9%			3%		6%													
PBMC's	2201	000/	100%	400/	201	c0/	70/	70/		=0/							20/						=0/	
Plasma	23%	22%	9%	13%	2%	6%	7%	7%		5%							2%						5%	-01
Post mortem tissue	12%						38%	42%																8%
Protein lysate	100%			-01																				
RNA, blood	42%	30%		9%		5%																		
RNA, tissue	15%	22%	44%				19%																	
Saliva	40%	28%	23%		0%	9%																		
Serum	21%	26%	4%	12%	4%	7%	5%	9%			1%		3%		2%		2%			2%				
Skin	100%																							
Sperm	100%																							
Stem cells	100%																							
Synovial fluid	100%																							
Tumor and adjacent normal tissue	40%		12%			4%		6%		7%	1%						2%							18%
Tumor and adjacent normal tissue FFPE blocks	52%	11%		11%		0%		7%		18%														2%
Tumor and adjacent normal TMA blocks	74%				26%																			
Tumor tissue	49%	12%	8%	19%	4%					8%														
Tumor tissue FFPE block	42%	3%	23%	19%						12%														
Tumor TMA block	31%	69%																						
Urine	38%	27%	11%	7%				6%	7%					4%							1%			
Whole blood	24%	22%		27%	4%	1%	6%			2%		2%			3%		1%						8%	

Specimen / Product Distribution Volume

		1-250	250-500	500-1,000	1,000-1,499	1,500-2,000	2,000-2,500	2,500-3,000	3,000-3,500	4,500-5,000	5,000-5,500	7,000-7,500	10,000-20,000	20,000-30,000	30,000-40,000	not reported
Bone marrow	•	83%	7	9%		8%	W.	W.	w.	4	ru.	7	-	71	m	
Buccal cells		68%	27%	5%		0.0										
Buffy coat	5%	77%	6%	2%									1%			11%
Cerebrospinal fluid (CSF)		80%	4%			16%										
Cord blood		22%	78%													
DNA, blood	4%	41%	10%	16%	4%	10%			3%				9%			2%
DNA, tissue		64%	2%	11%		14%				9%						
H&E Slide, normal tissue		85%														15%
H&E slide, tumor and adjacent normal tissue FFPE		100%		120/												220/
H&E Slide, tumor and adjacent normal tissue sample FFPE H&E slide, tumor tissue	6%	64% 50%	18%	13% 15%												23% 12%
Normal tissue	7%	67%	18%	9%												17%
Normal tissue FFPE block	7 70	64%		36%												1//0
Normal TMA block		76%	24%	3070												
Other: Blood clot		100%	2													
Other: Blood spot card	60%	40%														
Other: Bone		100%														
Other: Buffy coat, clot from tube	100%															
Other: CBMC's		100%														
Other: Cell free DNA		100%														
Other: Cell lines		100%														
Other: Cervical cell samples		100%														
Other: Cervical/Vaginal/Rectal swabs (multiomics)				100%												
Other: Circulating tumor cells (CTC)		100%														
Other: DNA, saliva			100%													
Other: DNA, saliva		52%				48%										
Other: Dried blood spots		100%														
Other: Erythrocytes		100%														
Other: Established cell lines, custom		1000/	100%													
Other: Feces Other: Fibroblast cell lines		100%							100%							
Other: Fibrobiast cell lines Other: Formalin fixed placental tissue		100%							100%							
Other: Hair	100%	100%														
Other: Hair	10070	100%														
Other: Image of H&E Slide, tumor and adjacent normal tissue sample FFPE		100%														
Other: IPS cells		10070														100%
Other: LCL generated cell lines from PMBC's																100%
Other: Library		100%														
Other: Lymphblast cell lines		100%														
Other: Lymphoblastic cell lines												100%				
Other: Lymphocytes	100%															
Other: Maygrunwald giemsa stained bone marrow smears		100%														
Other: microRNA, CSF		100%														
Other: Muscle		100%														
Other: Nail		100%														
Other: Nerve		100%														
Other: Not specified		100%														
Other: RBC pellet		100%														
Other: RNA later preserved placental punches Other: Serum, blood clot from tube	58%	100% 42%														
Other: Skin biopsy for fibroblast culture	36/0	100%														
Other: Snap frozen placental tissue		100%														
Other: Stool		10070		100%												
Other: Tissue for DNA		100%		_2070												
Other: Toenails				100%												
Other: unstained BM smears		100%														
Other: WBC from peripheral blood/bone marrow		100%														
Other: Whole blood for EBV Lymphoblast culture		100%														
PBMC's	9%	51%	3%			9%										28%
PBMC's		100%														
Plasma	2%	64%	13%	9%		4%								1%		8%
Post mortem tissue		54%		19%					19%							
Protein lysate		100%														
RNA, blood	5%	70%	2%	5%		15%										4%
RNA, tissue	4.00/	77%	4%	201		19%										
Saliva	16% 2%	59%	23%	3%		5%					1%					110/
Serum Skin	270	43% 100%	28%	11%		270					170					11%
Sperm		10070		100%												
Stem cells		100%		10070												
Synovial fluid		39%														61%
Tumor and adjacent normal tissue	7%	55%	10%	4%			1%						2%			22%
Tumor and adjacent normal tissue FFPE blocks	17%	46%	7%	17%		4%	270						270			9%
Tumor and adjacent normal TMA blocks	34%	40%		26%												
Tumor tissue	7%	68%	10%	10%												6%
Tumor tissue FFPE block	6%	43%	22%	30%												
Tumor TMA block		66%	34%													
Urine		67%	27%								1%					5%
	8%	55%	20%	6%												12%