

## Vanderbilt Islet Procurement and Analysis Core Prices

### Mouse Islet Isolation without Histopaque Purification

# of Mice/ Isolation	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1	\$74	\$125	\$166
2	\$114	\$180	\$239
3	\$153	\$232	\$310
4	\$194	\$287	\$383
5	\$238	\$351	\$469
6	\$279	\$406	\$542
7	\$319	\$461	\$615
8	\$358	\$514	\$685

\*Islet yield = 50-150 islets/mouse (varies depending on mouse strain, age, genetic modification)

\*Animal procurement cost not included

### Handpicking without Histopaque Purification

# of Mice/ Isolation	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1	\$45	\$93	\$124
2	\$74	\$151	\$201
3	\$102	\$209	\$278
4	\$130	\$267	\$355
5	\$158	\$325	\$433
6	\$187	\$382	\$510
7	\$215	\$440	\$587
8	\$243	\$498	\$665

### Mouse Islet Isolation with Histopaque Purification

# of Mice/ Isolation	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1	\$95	\$153	\$204
2	\$151	\$224	\$299
3	\$212	\$307	\$410
4	\$268	\$379	\$505
5	\$335	\$474	\$632
6	\$390	\$545	\$727
7	\$452	\$629	\$838
8	\$507	\$700	\$934
9	\$574	\$795	\$1,060
10	\$630	\$866	\$1,155

\*Islet yield = 200 islets/mouse (C57BL/6 strain, 10-12 wk old males)

\*Animal procurement cost not included

# Vanderbilt Islet Procurement and Analysis Core Prices

## Handpicking after Histopaque Purification

# of Mice/ Isolation	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1	\$6	\$12	\$15
2	\$11	\$23	\$31
3	\$17	\$35	\$46
4	\$23	\$46	\$62
5	\$28	\$58	\$77
6	\$34	\$70	\$93
7	\$40	\$81	\$108
8	\$45	\$93	\$124
9	\$51	\$104	\$139
10	\$57	\$116	\$155

## Islet Perifusion

# of Channels/ Perifusion	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1-4 channels	\$317	\$616	\$822

\*1-4 stimuli/perifusion channel

\*On average 23 perifusion samples/channel

\*Hormone assay cost not included

## Culture Media

Quantity	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1 mL	\$0.14	\$0.22	\$0.29

\*RPMI-1640 medium, 10% FBS, 100 U/mL penicillin, 100 ug/mL streptomycin and with desirable glucose concentration

## Islet Culture

# of Islet Sets	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry- Initiated Research
1	\$30	\$45	\$60
2	\$54	\$79	\$105
3	\$78	\$113	\$150
4	\$102	\$146	\$195
5	\$126	\$180	\$240
6	\$150	\$213	\$285

\*Media cost not included

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### Static Islet Incubation

# of Islet Sets	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry-Initiated Research
1	\$63	\$114	\$152
2	\$92	\$158	\$211
3	\$121	\$202	\$270
4	\$150	\$247	\$329
5	\$178	\$291	\$388
6	\$207	\$335	\$447
7	\$236	\$380	\$506
8	\$265	\$424	\$565
9	\$294	\$468	\$624
10	\$323	\$512	\$683
11	\$352	\$557	\$742
12	\$381	\$601	\$801

\*Media cost not included

### Islet RNA Isolation

# of Islet Sets	Vanderbilt Institutional Research	Non-Vanderbilt Institutional Research	Industry-Initiated Research
1	\$43	\$71	\$94
2	\$69	\$107	\$142
3	\$95	\$143	\$190
4	\$121	\$179	\$238
5	\$147	\$215	\$286
6	\$173	\$251	\$334

\*Islet RNA isolated with Ambion kit, Turbo DNase treatment included