附件五  
2023/11/08修製

長庚大學分子醫學研究中心服務委託申請表

技術平台服務收費明細

**一、 基本資料 (自行填寫)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 申請人 |  | 連絡電話 |  | 經費核銷計畫用章 |
| E-mail |  | | |
| 指導老師  (姓名) |  | 簽 名 |  |
| 學校/系所/單位 |  | | |
| 繳款方式 | □計畫扣款 □支票繳款 □其他 | | |

**委託項目(由長庚大學分醫中心填寫)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **項目編號** | **項目** | **單價** | **數量** | **總數** |
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|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | **費用總計** | |

**開立發票 是□ 否□ (此服務收費標準為未稅價，欲開發票者須外加5%稅金)**

**申請案件資料(由長庚大學分醫中心填寫)**

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| --- | --- | --- | --- |
| **案件編號** |  | **收件日期** |  |
| **技術員** |  | **結果送交日期** |  |
| **技術平台負責人** |  | **結案確認日期** |  |
| **分醫中心簽章** |  | | |

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基因體定序技術平台

**委託項目(自行填寫)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **項目編號** | 服務項目 | | 單價 (元) | | | | | 數量(件) |
| □長庚體系 | | □非長庚體系 | | |  |
|  | **A. 核酸萃取** | | | | | | | |
| 5-A1-1 | A-1. 細胞/組織核酸萃取(DNA/RNA) | | 500元/樣本 | | 600元/樣本 | | |  |
| 5-A1-2 | A-2. Exosomal small RNA extraction | | 1,800 元/樣本 | | 2,400 元/樣本 | | |  |
| 5-A1-3 | A-3. FFPE DNA extraction | | 600元/樣本 | | 750元/樣本 | | |  |
| 5-A1-4 | A-4. FFPE RNA extraction | | 1100元/樣本 | | 1400元/樣本 | | |  |
|  | **B. Quality Check** | | | | | | | |
| 5-B1-1 | B-1. 核酸QC | | 750元/樣本 | | 900元/樣本 | | |  |
| 5-B1-2 | B-2. Library QC | | 750元/樣本 | | 900元/樣本 | | |  |
| 5-B1-3 | B-3. FFPE DNA QC | | 800元/樣本 | | 950元/樣本 | | |  |
| **Illumina Platform** | | | | | | | | |
|  | **C. RNA定序（含QC、建庫、定序）** | | | | | | | |
|  | **C-1. polyA RNA Sequencing (2\*75 PE)** | | | | | | | |
| 5-C1-1 | C-1-1. 25 M reads | | 17,000元/樣本 | | 20,400元/樣本 | | |  |
| 5-C1-2 | C-1-2. 35 M reads | | 22,000元/樣本 | | 26,400元/樣本 | | |  |
| 5-C1-3 | C-1-3. 50 M reads | | 29,000元/樣本 | | 34,800元/樣本 | | |  |
|  | **C-2. Ribominus RNA Sequencing (2\*75 PE)** | | | | | | | |
| 5-C2-1 | C-2-1. 35 M reads | | 27,000元/樣本 | | 32,400元/樣本 | | |  |
| 5-C2-2 | C-2-2. 50 M reads | | 35,000元/樣本 | | 42,000元/樣本 | | |  |
| 5-C2-3 | C-2-3. 70 M reads | | 45,000元/樣本 | | 54,000元/樣本 | | |  |
|  | **C-3. Ribominus RNA Sequencing (2\*75 PE) 適用Bacteria RNA** | | | | | | | |
| 5-C3-1 | C-3-1. 10 M reads | | 16,000元/樣本 | | 19,200元/樣本 | | |  |
| 5-C3-2 | C-3-2. 20 M reads | | 22,000元/樣本 | | 26,400元/樣本 | | |  |
|  | **C-4. RNA Exome Sequencing (2\*75 PE) (不含FFPE RNA extraction)** | | | | | | | |
| 5-C4-1 | C-4-1. 25 M reads | | 25,000元/樣本 | | 30,000元/樣本 | | |  |
| 5-C4-2 | C-4-2. 35 M reads | | 29,000元/樣本 | | 34,800元/樣本 | | |  |
| 5-C4-3 | C-4-3. 50 M reads | | 37,000元/樣本 | | 44,000元/樣本 | | |  |
|  | **C-5. Small RNA Sequencing (1\*75 SE)** | | | | | | |  |
| 5-C5-1 | C-5-1. 10 M reads | | 12,000元/樣本 | | 14,400元/樣本 | | |  |
| 5-C5-2 | C-5-2. 15 M reads | | 13,500元/樣本 | | 16,200元/樣本 | | |  |
| 5-C5-3 | C-5-3. 20 M reads | | 15,500元/樣本 | | 18,600元/樣本 | | |  |
|  | **C-6. Exosomal RNA Sequencing (1\*75 SE)(含exosomal RNA 萃取)** | | | | | | | |
| 5-C6-1 | C-6-1. 10 M reads | | 13,800元/樣本 | | 16,800元/樣本 | | |  |
| 5-C6-2 | C-6-2. 15 M reads | | 15,300元/樣本 | | 18,600元/樣本 | | |  |
| 5-C6-3 | C-6-3. 20 M reads | | 17,300元/樣本 | | 21,000元/樣本 | | |  |
|  | **D. DNA定序（含QC、建庫、定序）** | | | | | | | |
|  | **D-1. Whole Genome Sequencing (2\*150 PE)** | | | | | | | |
| 5-D1-1 | D-1-1. 10 M reads, 3 G (適用bacteria WGS) | | 6,900元/樣本 | | 8,300元/樣本 | | |  |
| 5-D1-2 | D-1-2. 15 M reads, 4.5 G | | 8,500元/樣本 | | 10,200元/樣本 | | |  |
| 5-D1-3 | D-1-3. 33 M reads, 10 G | | 12,500元/樣本 | | 15,000元/樣本 | | |  |
| 5-D1-4 | D-1-4. 50 M reads, 15 G | | 16,500元/樣本 | | 20,000元/樣本 | | |  |
| 5-D1-5 | D-1-5. 66 M reads, 20 G | | 20,500元/樣本 | | 24,600元/樣本 | | |  |
| 5-D1-6 | D-1-6. 83 M reads, 25 G | | 24,500元/樣本 | | 29,400元/樣本 | | |  |
|  | **D-2. Whole Exome Sequencing-Agilent (2\*150 PE)** | | | | | | | |
| 5-D2-1 | D-2-1. 100 x coverage | | 16,000元/樣本 | | 19,200元/樣本 | | |  |
| 5-D2-2 | D-2-2. 150 x coverage | | 18,000元/樣本 | | 21,600元/樣本 | | |  |
| 5-D2-3 | D-2-3. 200 x coverage | | 20,500元/樣本 | | 24,600元/樣本 | | |  |
| 5-D2-4 | D-2-4. 250 x coverage | | 23,000元/樣本 | | 27,600元/樣本 | | |  |
|  | **D-3. Whole Exome Sequencing-Illumina (2\*150 PE)** | | | | | | | |
| 5-D3-1 | D-3-1. 100 x coverage | | 16,000元/樣本 | | 19,200元/樣本 | | |  |
| 5-D3-2 | D-3-2. 150 x coverage | | 17,500元/樣本 | | 21,000元/樣本 | | |  |
| 5-D3-3 | D-3-3. 200 x coverage | | 20,000元/樣本 | | 24,000元/樣本 | | |  |
| 5-D3-4 | D-3-4. 250 x coverage | | 22,000元/樣本 | | 26,400元/樣本 | | |  |
|  | **D-4. FFPE-Whole Exome Sequencing-Illumina (2\*75 PE)**  **(含 FFPE DNA extraction)** | | | | | | | |
| 5-D4-1 | D-4-1. 100 x coverage | | 24,000元/樣本 | | 28,800元/樣本 | | |  |
| 5-D4-2 | D-4-2. 150 x coverage | | 28,000元/樣本 | | 33,600元/樣本 | | |  |
| 5-D4-3 | D-4-3. 200 x coverage | | 33,000元/樣本 | | 39,600元/樣本 | | |  |
| 5-D4-4 | D-4-4. 250 x coverage | | 38,000元/樣本 | | 45,600元/樣本 | | |  |
| 5-D4-5 | D-4-5. 300 x coverage | | 43,000元/樣本 | | 51,600元/樣本 | | |  |
|  | **E. Microbiome定序（含QC、建庫、定序）** | | | | | | | |
| 5-E1-1 | E-1. Microbiome-16S Library construction and Sequencing | | 3,500元/樣本 | | 4,200元/樣本 | | |  |
| 5-E1-2 | E-2. TCR beta chain repertoire Library construction and Sequencing | | 16,500元/樣本 | | 19,000元/樣本 | | |  |
| 5-E1-3 | E-3. TCR alpha chain repertoire Library construction and Sequencing | | 16,500元/樣本 | | 19,000元/樣本 | | |  |
| 5-E1-4 | E-4. BCR heavy chain repertoire Library construction and Sequencing | | 16,500元/樣本 | | 19,000元/樣本 | | |  |
| 5-E1-5 | E-5. BCR light chain repertoire Library construction and Sequencing | | 16,500元/樣本 | | 19,000元/樣本 | | |  |
|  | **F. Targeted sequencing: 精準醫學Panel（含QC、建庫、定序）** | | | | | | | |
| 5-F1-1 | F-1. Targeted DNA Panel-275 cancer-related genes | | 25,000元/樣本 | | 30,000元/樣本 | | |  |
| 5-Z-1 | 客製化檢驗 | | 1,000元/樣本 | | 1,200元/樣本 | | |  |
|  | **G. 單細胞定序 Single-cell sequencing（4樣本為一套組建庫、包含基本定序）** | | | | | | | |
| 5-G-1 | Single Cell Gene expression (5’端)/40G數據量 | 155,000元/樣本 | | 165,000元/樣本 | | |  | |
| 5-G-2 | Single Cell Gene expression (3’端)/40G數據量 | 155,000元/樣本 | | 165,000元/樣本 | | |  | |
| 5-G-3 | Single Cell Immune Profiling\_BCR/10G數據量 | 145,000元/樣本 | | 155,000元/樣本 | | |  | |
| 5-G-4 | Single Cell Immune Profiling\_TCR/10G數據量 | 145,000元/樣本 | | 155,000元/樣本 | | |  | |
| 5-Z-2 | 客製化檢驗 | 1,000元/樣本 | | 1,200元/樣本 | | |  | |
|  | **H. 空間轉錄體分析\_Visium Spatial Gene Expression (含QC、建庫、定序)** | | | | | | | |
| 5-H-1 | Visium CytAssist for FFPE Spatial Gene Expression 6.5mm (第二代空間轉錄體分析-石蠟包埋樣本)試劑及建庫套組 | 165,000元/樣本 | | 175,000/樣本 | |  | | |
| 5-H-2 | Visium CytAssist for FFPE Spatial Gene Expression 6.5mm定序數據 75G | 37,500元/樣本 | | 42,500元/樣本 | |  | | |
| 5-H-3 | Visium CytAssist for FFPE Spatial Gene Expression 6.5mm定序數據 50G | 25,000元/樣本 | | 30,000元/樣本 | |  | | |
| 5-Z-3 | 客製化檢驗 | 1,000元/樣本 | | 1,200元/樣本 | |  | | |
| **MGI Platform** | | | | | | | | |
|  | **MGI-A. polyA RNA Sequencing** | | | | | | | |
| 5-MA-1 | MGI-A-1. 2\*100 PE, 30 M reads, 6 G | | 12,000元/樣本 | | 14,500元/樣本 | | |  |
| 5-MA-2 | MGI-A-2. 2\*100 PE, 50 M reads, 10 G | | 13,500元/樣本 | | 16,200元/樣本 | | |  |
| 5-MA-3 | MGI-A-3. 2\*150 PE, 20 M reads, 6 G | | 12,500元/樣本 | | 15,000元/樣本 | | |  |
| 5-MA-4 | MGI-A-4. 2\*150 PE, 33 M reads, 10 G | | 14,000元/樣本 | | 16,800元/樣本 | | |  |
|  | **MGI-B. Ribominus RNA Sequencing** | | | | | | | |
| 5-MB-1 | MGI-B-1. 2\*100 PE, 30 M reads, 6 G | | 14,500元/樣本 | | 17,500元/樣本 | | |  |
| 5-MB-2 | MGI-B-2. 2\*100 PE, 60 M reads, 12 G | | 16,500元/樣本 | | 19,800元/樣本 | | |  |
| 5-MB-3 | MGI-B-3. 2\*150 PE, 33 M reads, 10 G | | 16,500元/樣本 | | 19,800元/樣本 | | |  |
| 5-MB-4 | MGI-B-4. 2\*150 PE, 50 M reads, 15 G | | 18,000元/樣本 | | 21,600元/樣本 | | |  |
|  | **MGI-C. Whole Exome Sequencing** | | | | | | | |
| 5-MC-1 | MGI-C-1. 150 x coverage  (2\*100 PE, 55 M reads, 11 G) | | 18,000元/樣本 | | 21,600元/樣本 | | |  |
| 5-MC-2 | MGI-C-2. 200 x coverage  (2\*100 PE, 65 M reads, 13 G) | | 20,500元/樣本 | | 24,600元/樣本 | | |  |
| 5-MC-3 | MGI-C-3. 250 x coverage  (2\*100 PE, 90 M reads, 18 G) | | 25,000元/樣本 | | 30,000元/樣本 | | |  |
| 5-MC-4 | MGI-C-4. 300 x coverage  (2\*100 PE, 110 M reads, 22 G) | | 27,500元/樣本 | | 33,000元/樣本 | | |  |
| 5-MC-5 | MGI-C-5. 150 x coverage  (2\*150 PE, 33 M reads, 10 G) | | 17,000元/樣本 | | 20,400元/樣本 | | |  |
| 5-MC-6 | MGI-C-6. 200 x coverage  (2\*150 PE, 45 M reads, 13.5 G) | | 19,500元/樣本 | | 23,400元/樣本 | | |  |
| 5-MC-7 | MGI-C-7. 250 x coverage  (2\*150 PE, 55 M reads, 16.5 G) | | 23,000元/樣本 | | 27,600元/樣本 | | |  |
| 5-MC-8 | MGI-C-8. 300 x coverage  (2\*150 PE, 66 M reads, 20 G) | | 27,000元/樣本 | | 32,400元/樣本 | | |  |
| **5-MD-1** | **MGI-D. Whole Genome Sequencing** | | 59,000元/樣本 | | 71,000元/樣本 | | |  |
| 5-Z-4 | 客製化檢驗 | | 1,000元/樣本 | | 1,200元/樣本 | | |  |