

# Islet Isolation

| HPAP180                                    |   |
|--|---|
| Date of Procurement/Cross Clamp Time       | 08/29/2024, 12:13 (EDT)                                       |
| Date/Time Tissues Biopsy & Islet Isolation | 08/30/2024, 12: 00 (EDT)                                      |
| Date/Time Intra Ductal Enzyme Infusion     | 08/30/2024, 13:01 (EDT)                                       |
| <sup>1</sup> Cold Ischemia Time (CIT)      | 24 hrs and 48 mins  |
| <sup>2</sup> DCD Donor Warm Ischemia Time  | NA  |
| Pancreas Condition                         | Heavily fat and infiltration, Fibrotic                        |
| Pancreas Weight (trimmed)                  | 114.3 g   |
| Total Islet Yield                          | 123,198 IEQ   |
| <sup>3</sup> IEQ/g of Pancreas             | 1,077.8 IEQ/g   |
| Islet Purity (%) & Yield (IEQ)             | <sup>4</sup> Purity (50%): 21,602 (40%): 46,668 (30%): 55,928 |
| Islet Viability (%)                        | 73  |
| GSIR (SI)                                  | 1.32  |
| DNA Content (ng/IEQ)                       | 16.5  |
| Endotoxin (EU/ml)                          | <0.2  |
| Sterility Test                             | Negative<br>(No Growth Of Bacteria Or Fungus After 14 Days)   |

<sup>1</sup>CIT = duration from Cross clamp time till Intra ductal enzyme infusion

<sup>2</sup>DCD = Donation after Cardiac Death (circulatory arrest)

<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

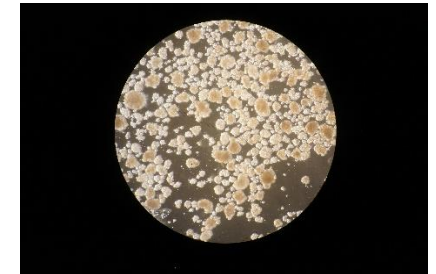
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



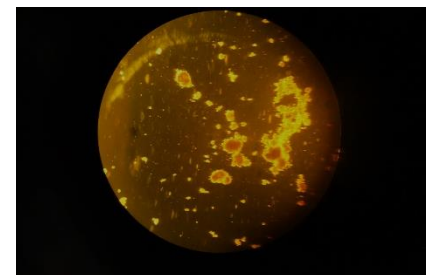
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 1)**



**DTZ staining (Day 1)**