

Islet Isolation

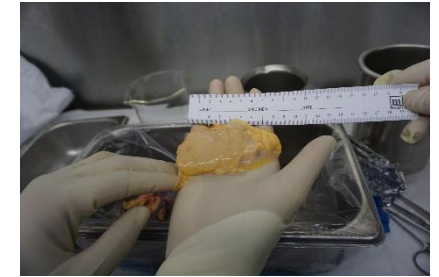
| HPAP135 | |
|--|---|
| Date of Procurement/Cross Clamp Time | 11/6/2022, 15:34 (EST) |
| Date/Time Tissues Biopsy & Islet Isolation | 11/7/2022, 10:30 (EST) |
| Date/Time Intra Ductal Enzyme Infusion | 11/7/2022, 11:00 (EST) |
| ¹ Cold Ischemia Time (CIT) | 19 hrs 26 mins |
| ² DCD Donor Warm Ischemia Time | NA |
| Pancreas Condition | Partial Pancreas with minimal fatty infiltration |
| Pancreas Weight (trimmed) | 38.3 g |
| Total Islet Yield | 63,478 IEQ |
| ³ IEQ/g of Pancreas | 1,657.4 IEQ/g |
| Islet Purity (%) & Yield (IEQ) | ⁴ Purity (70%): 38,588 (30%): 24,888 |
| Islet Viability (%) | 93 |
| GSIR (SI) | 0.58 |
| DNA Content (ng/IEQ) | 9.91 |
| Endotoxin (EU/ml) | <0.05 |
| Sterility Test | Negative (No Growth Of Bacteria Or Fungus After 14 Days) |

¹CIT = duration from Cross clamp time till Intra ductal enzyme infusion

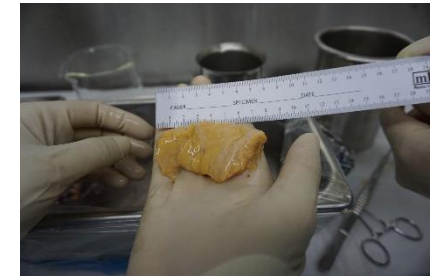
²DCD = Donation after Cardiac Death (circulatory arrest)

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

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



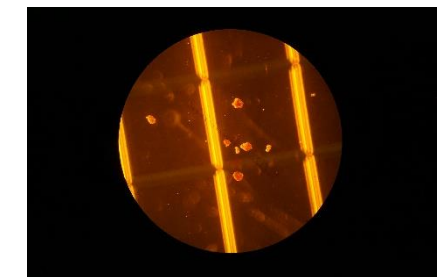
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)