

# Islet Isolation

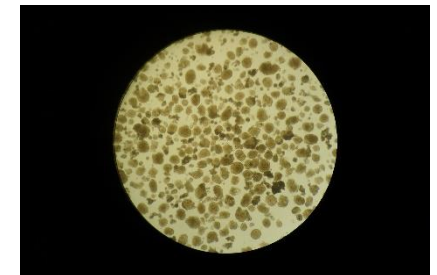
| HPAP107                                    |  |
|--|--|
| Date of Procurement/Cross Clamp Time       | 10/6/2021, 19:10 (EST)   |
| Date/Time Tissues Biopsy & Islet Isolation | 10/7/2021, 13:39 (EST)   |
| Date/Time Intra Ductal Enzyme Infusion     | 10/7/2021, 14:43 (EST)   |
| <sup>1</sup> Cold Ischemia Time (CIT)      | 19 hrs 33 mins   |
| <sup>2</sup> DCD Donor Warm Ischemia Time  | NA   |
| Pancreas Condition                         | Damaged (The pancreas was transacted at the junction of neck and the body) |
| Pancreas Weight (trimmed)                  | 62 g   |
| Total Islet Yield                          | 191,708 IEQ  |
| <sup>3</sup> IEQ/g of Pancreas             | 3,092.1 IEQ/g  |
| Islet Purity (%) & Yield (IEQ)             | <sup>4</sup> Purity (80%): 94,038 (55%): 97,670                            |
| Islet Viability (%)                        | 90   |
| GSIR (SI)                                  | 1.48   |
| DNA Content (ng/IEQ)                       | 2.96   |
| Endotoxin (EU/ml)                          | <0.05  |
| Sterility Test                             | Negative<br>(No Growth Of Bacteria Or Fungus After 14 Days)                |



**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**

<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%