

Islet Isolation

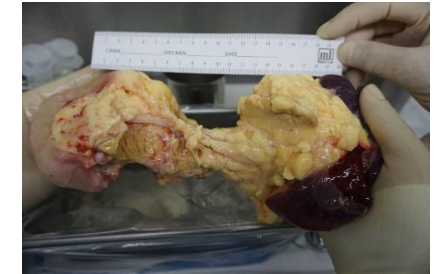
HPAP175	
Date of Procurement/Cross Clamp Time	5/13/2024, 15:03 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/14/2024, 10:00 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/14/2024, 10:47 (EDT)
¹ Cold Ischemia Time (CIT)	19 hrs and 44 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	104 g
Total Islet Yield	689,076 IEQ
³ IEQ/g of Pancreas	6,625.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 457,259 (40%): 231,817
Islet Viability (%)	90
GSIR (SI)	1.4
DNA Content (ng/IEQ)	5.61
Endotoxin (EU/ml)	0.126
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

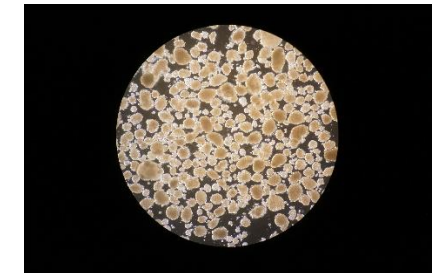
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



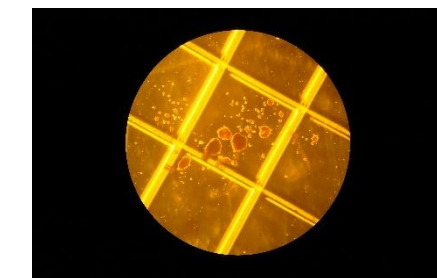
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)