

Islet Isolation

HPAP187	
Date of Procurement/Cross Clamp Time	1/30/2025, 21:13 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	1/31/2025, 10:51 (EDT)
Date/Time Intra Ductal Enzyme Infusion	1/31/2025, 11:40 (EDT)
¹ Cold Ischemia Time (CIT)	14 hrs and 27 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty & firm
Pancreas Weight (trimmed)	84.1 g
Total Islet Yield	81,840 IEQ
³ IEQ/g of Pancreas	973.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (70%):13,789 (20-30%): 68,042
Islet Viability (%)	90
GSIR (SI)	1.42
DNA Content (ng/IEQ)	2.5
Endotoxin (EU/ml)	0.306
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)

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

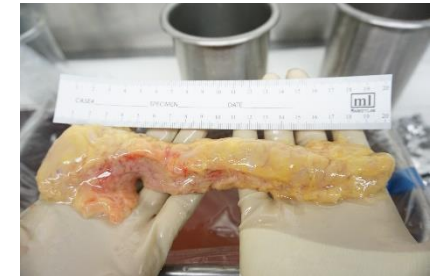
²DCD = Donation after Cardiac Death (circulatory arrest)

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

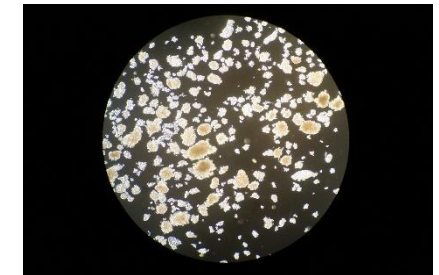
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



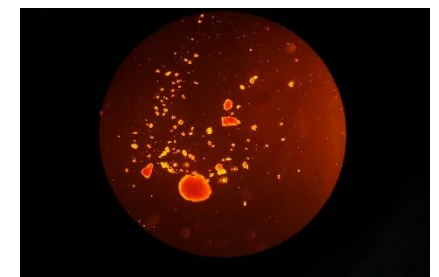
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)