

Islet Isolation

HPAP172	
Date of Procurement/Cross Clamp Time	3/2/2024, 22:02 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	3/4/2024, 08:20 (EDT)
Date/Time Intra Ductal Enzyme Infusion	3/4/2024, 09:10 (EDT)
¹ Cold Ischemia Time (CIT)	35 hrs and 08 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fat infiltration
Pancreas Weight (trimmed)	71.7 g
Total Islet Yield	134,848 IEQ
³ IEQ/g of Pancreas	1,880.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (80%): 1, 000. (30%): 133,848
Islet Viability (%)	88
GSIR (SI)	1.13
DNA Content (ng/IEQ)	13.65
Endotoxin (EU/ml)	0.046
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%



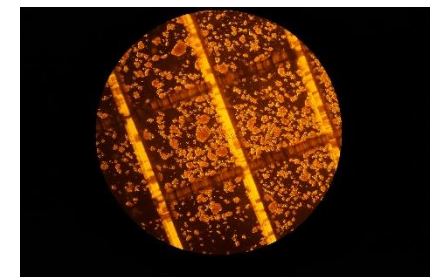
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)