

Islet Isolation

HPAP177	
Date of Procurement/Cross Clamp Time	07/03/2024, 03:54 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	07/03/2024, 10:45 (EDT)
Date/Time Intra Ductal Enzyme Infusion	07/03/2024, 11:20 (EDT)
¹ Cold Ischemia Time (CIT)	7 hrs and 26 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	83.3 g
Total Islet Yield	312,230 IEQ
³ IEQ/g of Pancreas	3,748.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 252,414 (55%): 59,816
Islet Viability (%)	94
GSIR (SI)	1.33
DNA Content (ng/IEQ)	8.57
Endotoxin (EU/ml)	<0.056
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%



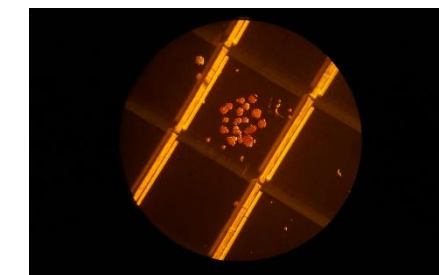
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 2)



DTZ staining (Day 2)