

Islet Isolation

HPAP115	
Date of Procurement/Cross Clamp Time	1/26/2022, 10:34 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/27/2022, 7:32 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/27/2022, 8:32 (EST)
¹ Cold Ischemia Time (CIT)	21 hrs 58 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty and firm
Pancreas Weight (trimmed)	98.9 g
Total Islet Yield	57,198 IEQ
³ IEQ/g of Pancreas	578.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (70%): 22,306 (30%): 34,892
Islet Viability (%)	95
GSIR (SI)	0.68
DNA Content (ng/IEQ)	5.84
Endotoxin (EU/ml)	0.271
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%



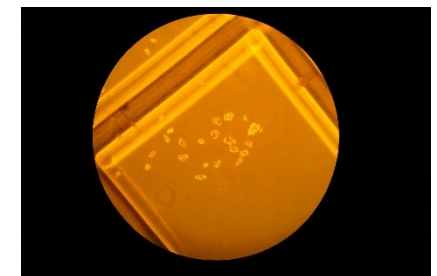
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 0)