

Islet Isolation

HPAP105	
Date of Procurement/Cross Clamp Time	9/20/2021, 22:18 (EST)
Date/Time Tissues Biopsy & Islet Isolation	9/21/2021, 13:50 (EST)
Date/Time Intra Ductal Enzyme Infusion	9/21/2021, 14:38 (EST)
¹ Cold Ischemia Time (CIT)	16 hrs 20 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Firm
Pancreas Weight (trimmed)	71.9 g
Total Islet Yield	621,935 IEQ
³ IEQ/g of Pancreas	8,650 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (95%): 357,561 (55%): 264,374
Islet Viability (%)	96
GSIR (SI)	2.23
DNA Content (ng/IEQ)	2.94
Endotoxin (EU/ml)	0.101
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%



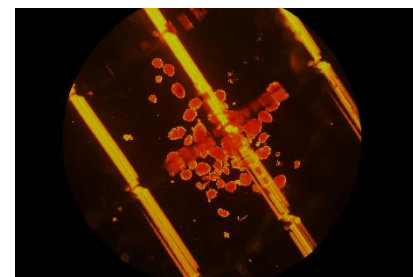
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)