

Islet Isolation

HPAP114	
Date of Procurement/Cross Clamp Time	1/18/2022, 16:57 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/19/2022, 10:10 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/19/2022, 11:16 (EST)
¹ Cold Ischemia Time (CIT)	18 hrs 19 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Edemas, Fatty average
Pancreas Weight (trimmed)	60 g
Total Islet Yield	96,718 IEQ
³ IEQ/g of Pancreas	1.612 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (80%): 63,718 (30%): 33,000
Islet Viability (%)	93
GSIR (SI)	0.94
DNA Content (ng/IEQ)	11.25
Endotoxin (EU/ml)	0.256
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)