

Islet Isolation

HPAP155	
Date of Procurement/Cross Clamp Time	6/30/2023, 06:21 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	6/30/2023, 10:50 (EDT)
Date/Time Intra Ductal Enzyme Infusion	6/30/2023, 12:53 (EDT)
¹ Cold Ischemia Time (CIT)	6 hrs and 32 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration & damaged
Pancreas Weight (trimmed)	109.2 g
Total Islet Yield	127,936 IEQ
³ IEQ/g of Pancreas	1171.6 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90-95%): 115,862 (40%): 12,074
Islet Viability (%)	96
GSIR (SI)	2.16
DNA Content (ng/IEQ)	10.8
Endotoxin (EU/ml)	<0.2
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%



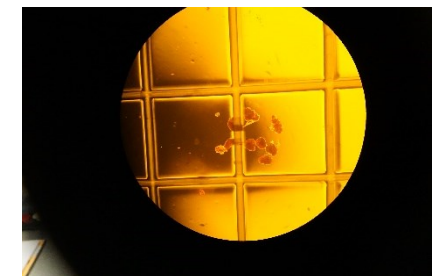
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 10)



DTZ staining (Day 0)