

Islet Isolation

HPAP183	
Date of Procurement/Cross Clamp Time	10/6/2024, 15:56 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	10/7/2024, 7:30 (EDT)
Date/Time Intra Ductal Enzyme Infusion	10/7/2024, 8:49 (EDT)
¹ Cold Ischemia Time (CIT)	16 hrs and 53 mins
² DCD Donor Warm Ischemia Time	27 min
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	75.8 g
Total Islet Yield	146,582 IEQ
³ IEQ/g of Pancreas	1,933.8 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 100,762 (30%): 45,820
Islet Viability (%)	95
GSIR (SI)	3.1
DNA Content (ng/IEQ)	2.55
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

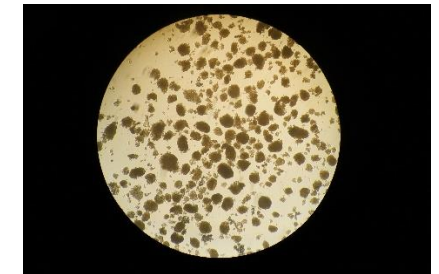
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)