

Islet Isolation

HPAP104	
Date of Procurement/Cross Clamp Time	8/24/2021, 23:38 (EST)
Date/Time Tissues Biopsy & Islet Isolation	8/25/2021, 10:12 (EST)
Date/Time Intra Ductal Enzyme Infusion	8/25/2021, 11:09 (EST)
¹ Cold Ischemia Time (CIT)	11 hrs 31 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	19.7 g
Total Islet Yield	412,032 IEQ
³ IEQ/g of Pancreas	20,915.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 103,670 (75%):156,116 (30) 152,246
Islet Viability (%)	96
GSIR (SI)	1.94
DNA Content (ng/IEQ)	3.79
Endotoxin (EU/ml)	<0.05
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%



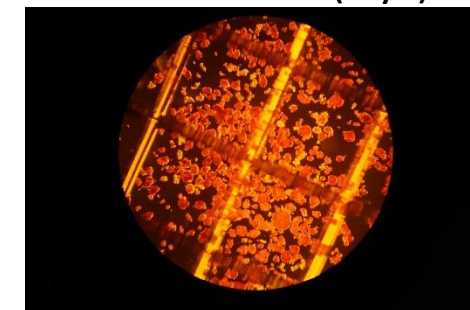
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)