

Islet Isolation

HPAP153	
Date of Procurement/Cross Clamp Time	5/20/2023, 20:09 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/21/2023, 15:23 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/21/2023, 16:13 (EDT)
¹ Cold Ischemia Time (CIT)	20 hrs and 04 mins
² DCD Donor Warm Ischemia Time	WIT: 23 mins
Pancreas Condition	Fatty and fat infiltration
Pancreas Weight (trimmed)	88.6 g
Total Islet Yield	200,638 IEQ
³ IEQ/g of Pancreas	2,264.5 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (85%): 157,712 (35%):42,926
Islet Viability (%)	93
GSIR (SI)	1.59
DNA Content (ng/IEQ)	5.87
Endotoxin (EU/ml)	<0.20
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

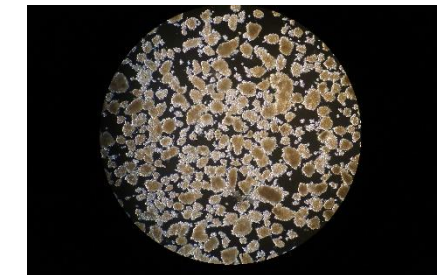
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



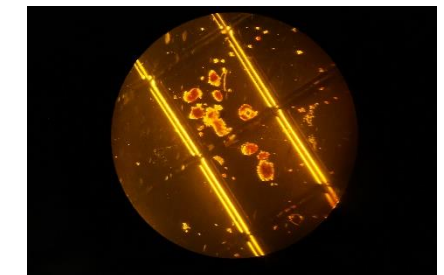
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)