

Islet Isolation

HPAP057

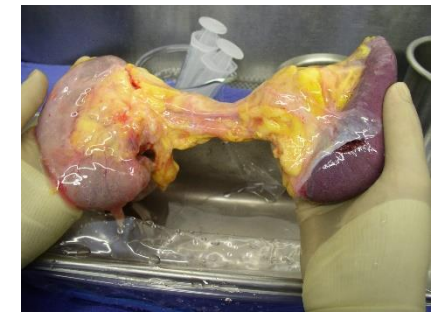
Date of Procurement/Cross Clamp Time	2/5/2020, 13:51 (EST)
Date/Time Tissues Biopsy & Islet Isolation	2/5/2020, 18:2 (EST)
Date/Time Intra Ductal Enzyme Infusion	2/5/2020, 19:32 (EST)
¹ Cold Ischemia Time (CIT)	5 hrs 41 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration
Pancreas Weight (trimmed)	94.7 g
Total Islet Yield	358,116 IEQ
³ IEQ/g of Pancreas	3,781.6 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (85%) 216,962 (60%) 77,782 (30%) 63,372
Islet Viability (%)	93
GSIR (SI)	0.84
DNA Content (ng/IEQ)	1.97
Endotoxin (EU/ml)	0.08
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

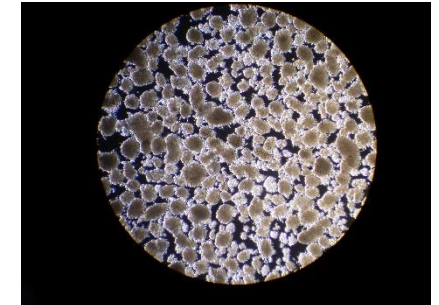
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



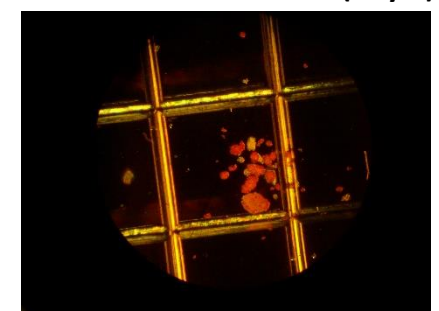
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)