

Islet Isolation

HPAP043

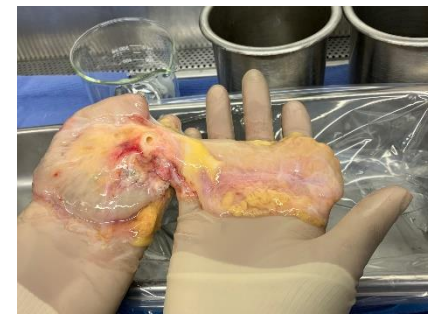
Date of Procurement/Cross Clamp Time	6/20/2019 / 19:05 (EST)
Date/Time Tissues Biopsy & Islet Isolation	6/21/2019 / 18:30 (EST)
Date/Time Intra Ductal Enzyme Infusion	6/ 21/2019 / 20:05 (EST)
¹ Cold Ischemia Time (CIT)	20 hrs 0 mins
² DCD Donor Warm Ischemia Time	NA/DCD?
Pancreas Condition	Pancreatic tail damaged
Pancreas Weight (trimmed)	53.94 g
Total Islet Yield	82600 IEQ
³ IEQ/g of Pancreas	1,853.9IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%) 40981 (40%) 41619
Islet Viability (%)	87
GSIR (SI)	1.33
DNA Content (ng/IEQ)	5.14
Endotoxin (EU/ml)	0.095
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

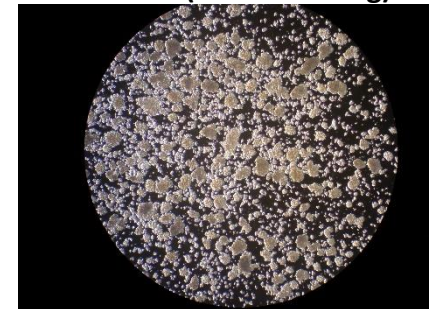
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



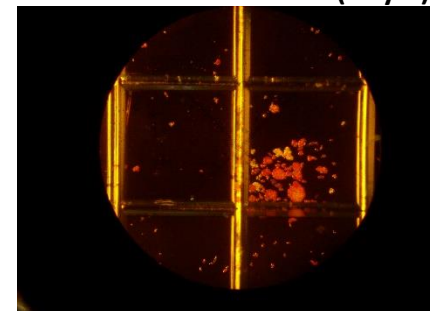
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)