

Islet Isolation

HPAP082

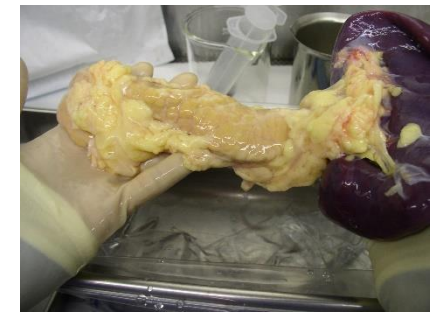
Date of Procurement/Cross Clamp Time	1/28/2021, 19:48 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/29/2021, 12:00 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/29/2021, 13:06 (EST)
¹ Cold Ischemia Time (CIT)	17 hrs 18 mins
² DCD Donor Warm Ischemia Time	18 minutes
Pancreas Condition	Pancreatitis, Firm & Edemas
Pancreas Weight (trimmed)	81 g
Total Islet Yield	37,042 IEQ
³ IEQ/g of Pancreas	457.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (35%) 27,119. (15%) 9926
Islet Viability (%)	92
GSIR (SI)	1.21
DNA Content (ng/IEQ)	3.23
Endotoxin (EU/ml)	<0.053
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%



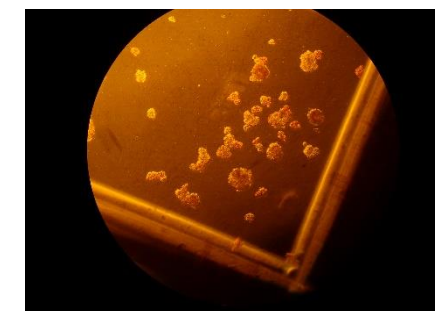
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 5)



DTZ staining (Day 5)