

Islet Isolation

HPAP016

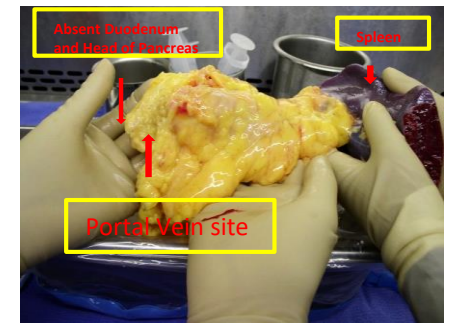
Date of Procurement/Cross Clamp Time	9/13/2017 / 8:41 (PDT), 11:41 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	9/14/2017 / 7:25 (EDT)
Date/Time Intra Ductal Enzyme Infusion	9/14/2017 / 8:33 (EDT)
¹ Cold Ischemia Time (CIT)	20 hrs 52 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Damaged and Missed Pancreatic Head
Pancreas Weight (trimmed)	51.64 g
Total Islet Yield	39,300 IEQ
³ IEQ/g of Pancreas	761.0 IEQ/g
Islet Purity (%) & Yield	⁴ Purity (40%): 18,002 IEQ , Purity (15%): 21,298 IEQ
Islet Viability	95%
GSIR (SI)	0.95
DNA Content (ng/IEQ)	8.53
Endotoxin (EU/ml)	<0.100
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

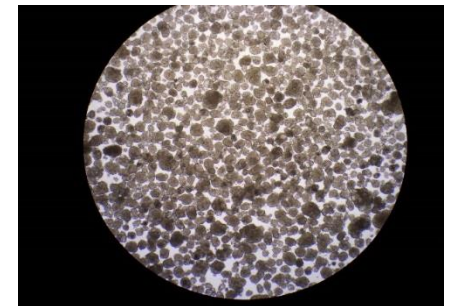
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



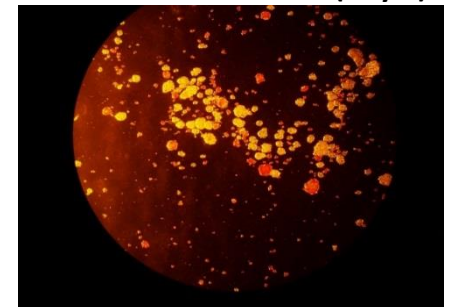
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islet in culture media (Day 1)



DTZ staining (Day 1)