

Islet Isolation

HPAP033

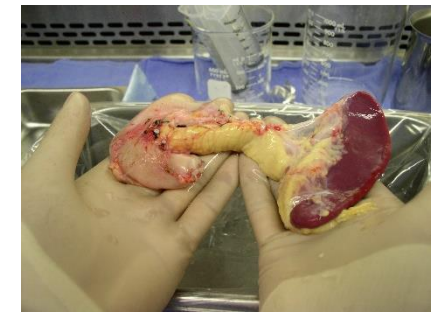
Date of Procurement/Cross Clamp Time	10/4/2018 / 09:54 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	10/4/2018 / 15:24 (EDT)
Date/Time Intra Ductal Enzyme Infusion	10/21/2018 / 16:22 (EST)
¹ Cold Ischemia Time (CIT)	6 hrs 28 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	20.36 g
Total Islet Yield	117,770 IEQ
³ IEQ/g of Pancreas	5783.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (80%) 76,080; (40%) 41,668
Islet Viability (%)	95
GSIR (SI)	1.39
DNA Content (ng/IEQ)	3.27
Endotoxin (EU/ml)	0.062
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

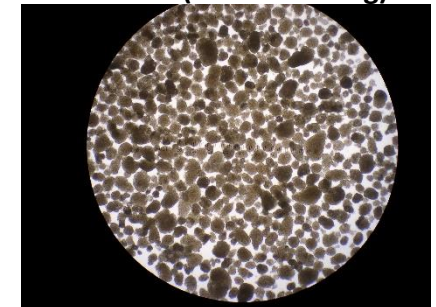
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



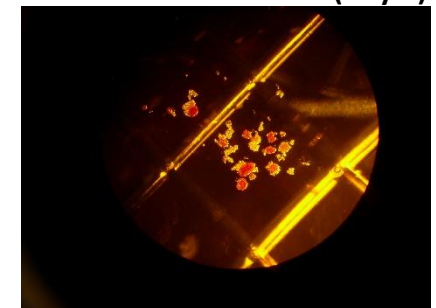
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 0)