

Islet Isolation

HPAP026	
Date of Procurement/Cross Clamp Time	5/14/2018 / 22:33 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/15 /2018 / 13:05 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/15/2018 / 15:00 (EST)
¹ Cold Ischemia Time (CIT)	16 hrs 27 mins
² DCD Donor Warm Ischemia Time	22 minutes
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	94.42 g
Total Islet Yield	263,638 IEQ
³ IEQ/g of Pancreas	2,792 IEQ/g
Islet Purity (%) & Yield	⁴ Purity (90%) 238,452 IEQ: (30%): 25,186 IEQ
Islet Viability (%)	92
GSIR (SI)	0.6
DNA Content (ng/IEQ)	5.15
Endotoxin (EU/ml)	0.065
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

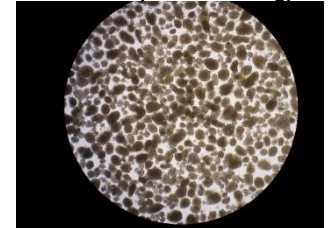
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



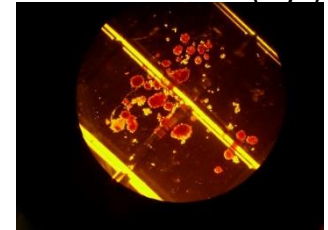
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)