

Islet Isolation

HPAP090

Date of Procurement/Cross Clamp Time	4/6/2021, 07:40 (EST)
Date/Time Tissues Biopsy & Islet Isolation	4/6/2021, 22:15 (EST)
Date/Time Intra Ductal Enzyme Infusion	4/6/2021, 22: 57(EST)
¹ Cold Ischemia Time (CIT)	15 hrs 17 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Heavy Fatty, very soft and damaged
Pancreas Weight (trimmed)	79.2 g
Total Islet Yield	194,919 IEQ
³ IEQ/g of Pancreas	2,461.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%) 121,731, (50%) 73,188
Islet Viability (%)	93
GSIR (SI)	1.47
DNA Content (ng/IEQ)	1.91
Endotoxin (EU/ml)	0.059
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

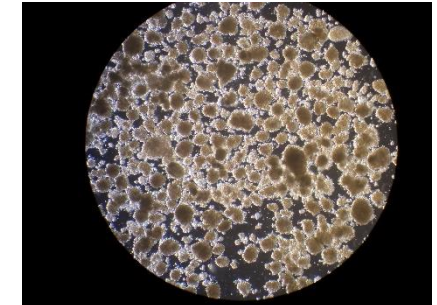
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



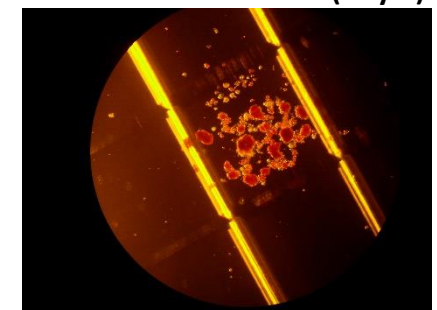
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)