

Islet Isolation

HPAP093

Date of Procurement/Cross Clamp Time	4/28/2021, 06:26 (EST)
Date/Time Tissues Biopsy & Islet Isolation	4/28/2021, 12:23 (EST)
Date/Time Intra Ductal Enzyme Infusion	4/28/2021, 13:24 (EST)
¹ Cold Ischemia Time (CIT)	6 hrs 58 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Pancreatic neck damaged
Pancreas Weight (trimmed)	90.9 g
Total Islet Yield	606,934 IEQ
³ IEQ/g of Pancreas	6,676.9 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (85%) 324,968. (40%) 72,446 (20%) 209,520
Islet Viability (%)	94
GSIR (SI)	1.73
DNA Content (ng/IEQ)	1.99
Endotoxin (EU/ml)	0.365
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)

¹CIT = duration from Cross clamp time till Intra ductal enzyme infusion

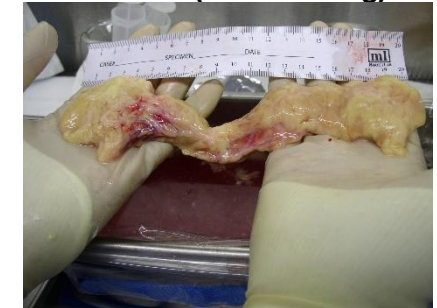
²DCD = Donation after Cardiac Death (circulatory arrest)

³IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

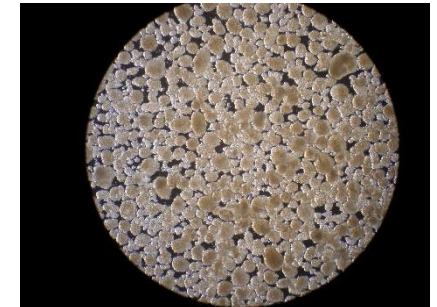
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



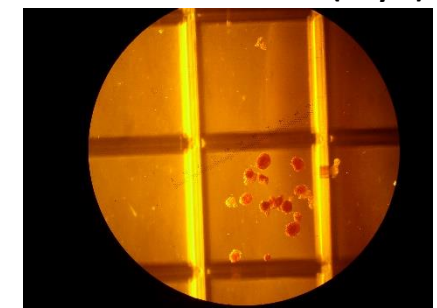
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)