

Islet Isolation

HPAP079

Date of Procurement/Cross Clamp Time	1/10/2021, 23:50 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/11/2021, 19:12 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/11/2021, 20:08 (EST)
¹ Cold Ischemia Time (CIT)	20 hrs 18 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Pancreatitis, Fatty infiltration
Pancreas Weight (trimmed)	55 g
Total Islet Yield	164,872 IEQ
³ IEQ/g of Pancreas	2,997.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (80%) 126,428. (30%) 38,444
Islet Viability (%)	92
GSIR (SI)	0.77
DNA Content (ng/IEQ)	3.46
Endotoxin (EU/ml)	<0.05
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

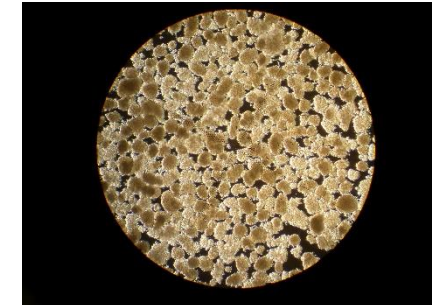
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



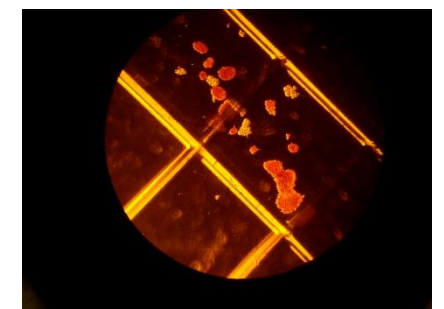
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)