

Islet Isolation

HPAP142	
Date of Procurement/Cross Clamp Time	1/24/2023, 13:17 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/24/2023, 15:07 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/24/2023, 15:51 (EST)
¹ Cold Ischemia Time (CIT)	2 hrs and 34 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fat infiltration
Pancreas Weight (trimmed)	54.1 g
Total Islet Yield	143,672 IEQ
³ IEQ/g of Pancreas	2,665.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (60%): 66,226 (30%): 77,446
Islet Viability (%)	95
GSIR (SI)	1.27
DNA Content (ng/IEQ)	4.19
Endotoxin (EU/ml)	<0.04
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

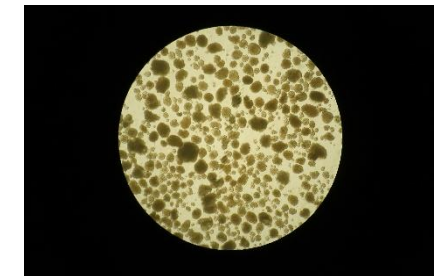
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



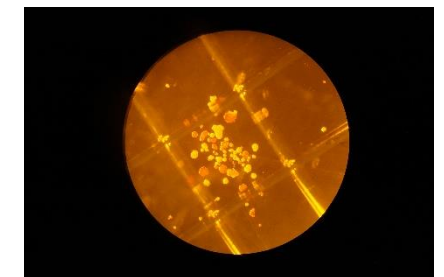
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)