

Islet Isolation

HPAP149	
Date of Procurement/Cross Clamp Time	4/18/2023, 00:11 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	4/18/2023, 20:14 (EDT)
Date/Time Intra Ductal Enzyme Infusion	4/18/2023, 21:14 (EDT)
¹ Cold Ischemia Time (CIT)	21 hrs and 3 mins
² DCD Donor Warm Ischemia Time	19 minutes (Asystole in 14 minutes – post asystole 5 minutes)
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	20.3 g
Total Islet Yield	42,320 IEQ
³ IEQ/g of Pancreas	2,084.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (70%): 25,320 (15%): 17,000
Islet Viability (%)	91
GSIR (SI)	1.25
DNA Content (ng/IEQ)	12.18
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

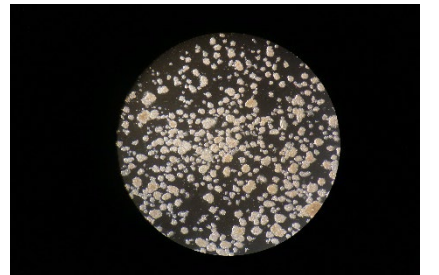
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



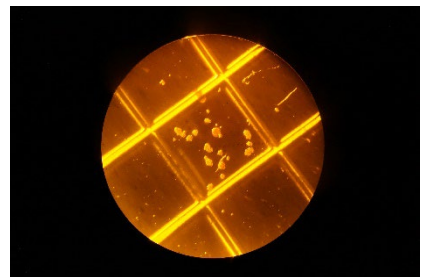
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)