

Islet Isolation

HPAP148	
Date of Procurement/Cross Clamp Time	4/1/2023, 16:42 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	4/2/2023, 11:05 (EDT)
Date/Time Intra Ductal Enzyme Infusion	4/2/2023, 12:01 (EDT)
¹ Cold Ischemia Time (CIT)	19 hrs and 19 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	26.9 g
Total Islet Yield	124,742 IEQ
³ IEQ/g of Pancreas	4,637.2 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (70%): 38,670 (35%): 86,072
Islet Viability (%)	90
GSIR (SI)	2.65
DNA Content (ng/IEQ)	3.83
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

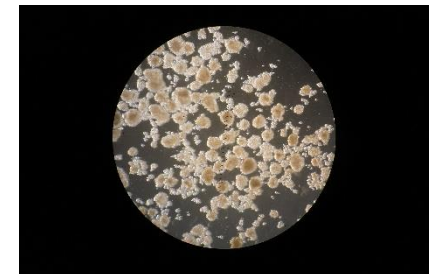
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



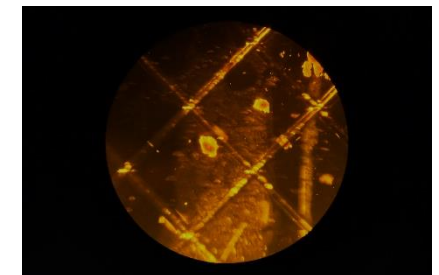
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)