

Islet Isolation

HPAP174	
Date of Procurement/Cross Clamp Time	4/9/2024, 21:39 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	4/10/2024, 10:05 (EDT)
Date/Time Intra Ductal Enzyme Infusion	4/10/2024, 11:42 (EDT)
¹ Cold Ischemia Time (CIT)	14 hrs and 03 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty (average)
Pancreas Weight (trimmed)	42.5 g
Total Islet Yield	251,432 IEQ
³ IEQ/g of Pancreas	5,916.0 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 177,684. (30%): 73,748
Islet Viability (%)	97
GSIR (SI)	2.75
DNA Content (ng/IEQ)	4.9
Endotoxin (EU/ml)	<0.02
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%



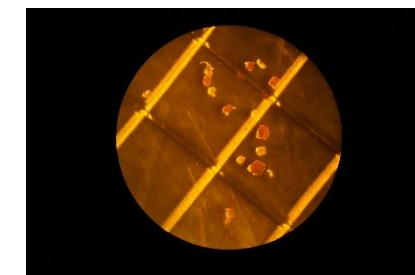
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)