

Islet Isolation

HPAP173	
Date of Procurement/Cross Clamp Time	4/7/2024, 21:04 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	4/8/2024, 19:00 (EDT)
Date/Time Intra Ductal Enzyme Infusion	4/8/2024, 20:12 (EDT)
¹ Cold Ischemia Time (CIT)	23 hrs and 08 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty (average)
Pancreas Weight (trimmed)	53.6 g
Total Islet Yield	162,764 IEQ
³ IEQ/g of Pancreas	3, 036.6 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (85%): 132, 503. (30%): 30,621
Islet Viability (%)	87
GSIR (SI)	1.91
DNA Content (ng/IEQ)	2.81
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

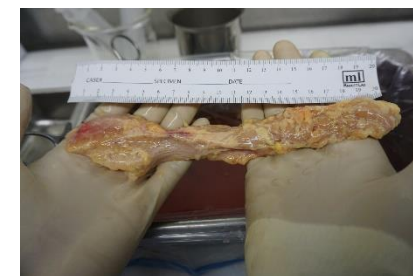
²DCD = Donation after Cardiac Death (circulatory arrest)

³IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

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



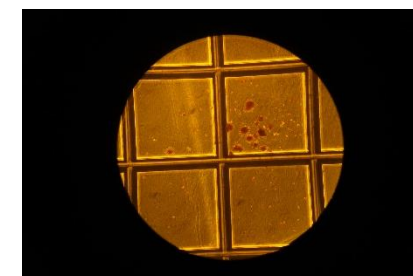
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)