

Islet Isolation

HPAP182	
Date of Procurement/Cross Clamp Time	09/11/2024, 18:41 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	09/12/2024, 10:33 (EDT)
Date/Time Intra Ductal Enzyme Infusion	09/12/2024, 11:16 (EDT)
¹ Cold Ischemia Time (CIT)	16 hrs and 35 mins
² DCD Donor Warm Ischemia Time	32 mins
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	69.6 g
Total Islet Yield	302,624 IEQ
³ IEQ/g of Pancreas	4,348 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 260,992 (30%): 41,632
Islet Viability (%)	91
GSIR (SI)	2.53
DNA Content (ng/IEQ)	3.37
Endotoxin (EU/ml)	<0.2
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%



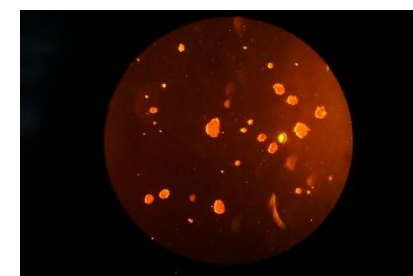
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)