

Islet Isolation

HPAP139	
Date of Procurement/Cross Clamp Time	12/16/2022, 13:13 (EST)
Date/Time Tissues Biopsy & Islet Isolation	12/17/2022, 08:43 (EST)
Date/Time Intra Ductal Enzyme Infusion	12/17/2022, 09:54 (EST)
¹ Cold Ischemia Time (CIT)	20 hrs and 41 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fat infiltration
Pancreas Weight (trimmed)	75.2 g
Total Islet Yield	364,574 IEQ
³ IEQ/g of Pancreas	4,848.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%): 152,014 (40%): 86,374 (30%): 126,186
Islet Viability (%)	96
GSIR (SI)	2.24
DNA Content (ng/IEQ)	10.75
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

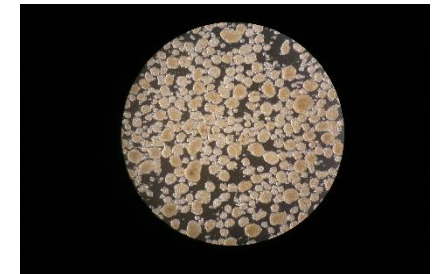
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



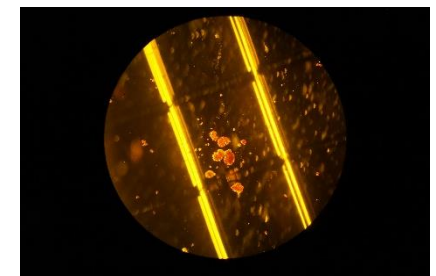
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)