

Islet Isolation

HPAP146	
Date of Procurement/Cross Clamp Time	3/15/2023, 17:19 (EST)
Date/Time Tissues Biopsy & Islet Isolation	3/16/2023, 10:30 (EST)
Date/Time Intra Ductal Enzyme Infusion	3/16/2023, 11:36 (EST)
¹ Cold Ischemia Time (CIT)	18 hrs and 17 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	95.7 g
Total Islet Yield	354,870 IEQ
³ IEQ/g of Pancreas	3,708.2IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (80%): 173,678 (30%): 181,192
Islet Viability (%)	93
GSIR (SI)	1.53
DNA Content (ng/IEQ)	4.41
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

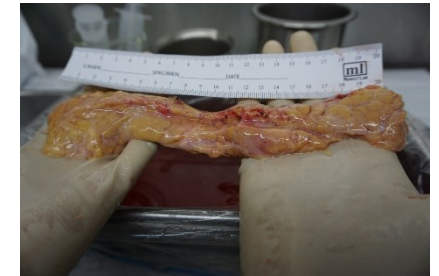
²DCD = Donation after Cardiac Death (circulatory arrest)

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

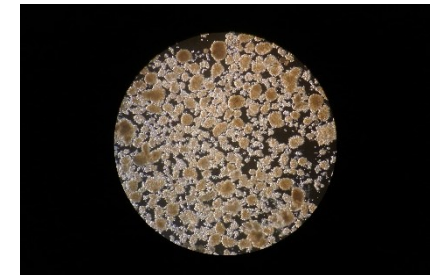
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



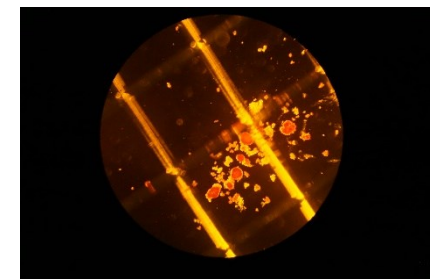
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)