

Islet Isolation

HPAP166	
Date of Procurement/Cross Clamp Time	11/6/2023, 14:07 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	11/6/2023, 17:18 (EDT)
Date/Time Intra Ductal Enzyme Infusion	11/6/2023, 18:02 (EDT)
¹ Cold Ischemia Time (CIT)	3 hrs and 55 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fat infiltration & Firm
Pancreas Weight (trimmed)	93.3 g
Total Islet Yield	156,262 IEQ
³ IEQ/g of Pancreas	1,674.8 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (70%): 30,522 (30%): 125,740
Islet Viability (%)	89
GSIR (SI)	1.02
DNA Content (ng/IEQ)	9.03
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

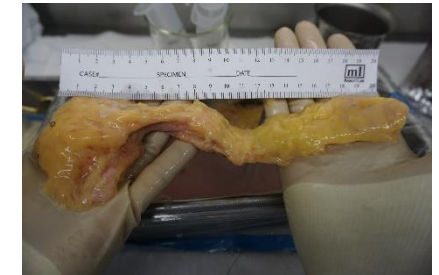
²DCD = Donation after Cardiac Death (circulatory arrest)

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

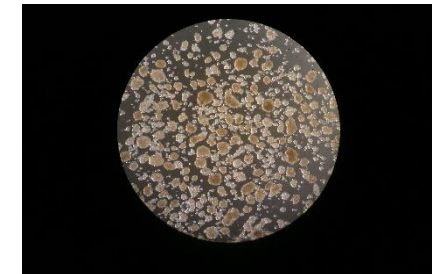
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



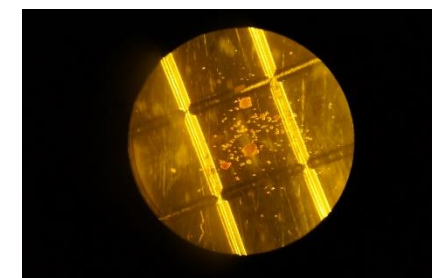
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 1)



DTZ staining (Day 1)