

Islet Isolation

HPAP074

Date of Procurement/Cross Clamp Time	11/13/2020, 01:06 (EST)
Date/Time Tissues Biopsy & Islet Isolation	11/13/2020, 11:25 (EST)
Date/Time Intra Ductal Enzyme Infusion	11/13/2020, 12:31 (EST)
¹ Cold Ischemia Time (CIT)	11 hrs 25 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fat infiltration
Pancreas Weight (trimmed)	56.3 g
Total Islet Yield	289,012 IEQ
³ IEQ/g of Pancreas	5,133 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (95%) 224,750. (40%) 64,262
Islet Viability (%)	92
GSIR (SI)	1.36
DNA Content (ng/IEQ)	3.00
Endotoxin (EU/ml)	0.06
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)