

Islet Isolation

HPAP040

Date of Procurement/Cross Clamp Time	06/02/2019 / 22:48 (EST)
Date/Time Tissues Biopsy & Islet Isolation	06/03/2019 / 08:55 (EST)
Date/Time Intra Ductal Enzyme Infusion	06/03/2019 / 10:20 (EST)
¹ Cold Ischemia Time (CIT)	11 hrs 32 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Average fatty infiltration
Pancreas Weight (trimmed)	112.3 g
Total Islet Yield	596,235 IEQ
³ IEQ/g of Pancreas	5,309.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	⁴ Purity (90%) 511,142; (50%) 66,129 (30%) 18,964
Islet Viability (%)	94
GSIR (SI)	1.16
DNA Content (ng/IEQ)	5.21
Endotoxin (EU/ml)	<0.05
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

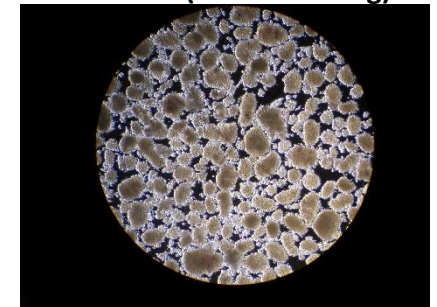
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



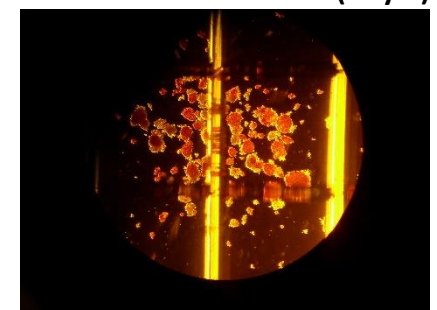
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)