

Islet Isolation

HPAP007

Date of Procurement/Cross Clamp Time	3/29/2017 / 20:49 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	3/29/2017 / 09:00 (EDT)
Date/Time Intra Ductal Enzyme Infusion	3/29/2017 / 09:21 (EDT)
¹ Cold Ischemia Time (CIT)	12 hrs 32 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	98.59 g
Total Islet Yield	1032, 212 IEQ
³ IEQ/g of Pancreas	10469.74 IEQ/g
Islet Purity (%) & Yield	⁴ High purity (95%): 940,322 IEQ , Low purity (40%): 41,890 IEQ
Islet Viability	90%
GSIR (SI)	1.41
DNA Content (ng/IEQ)	8.89
Endotoxin (EU/ml)	<0.050
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

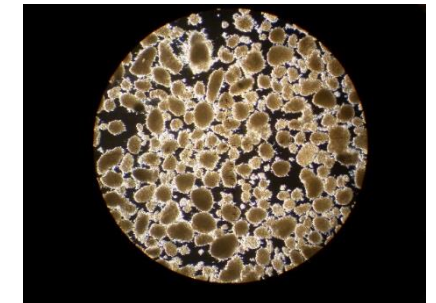
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



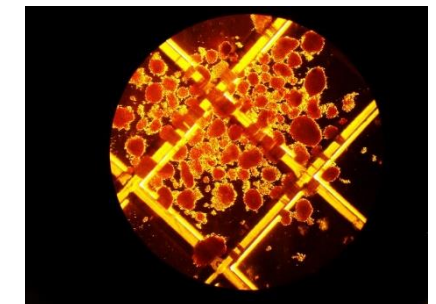
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islet in culture media (Day 0)



DTZ staining (Day 0)