

Islet Isolation

HPAP019

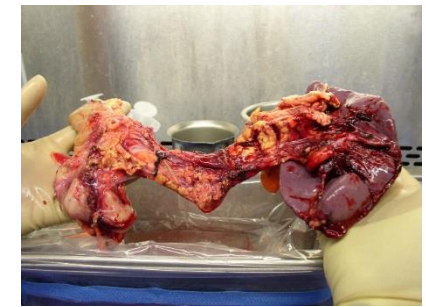
Date of Procurement/Cross Clamp Time	12/04/2017 / 06:36 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	12/04/2017 / 17:45 (EDT)
Date/Time Intra Ductal Enzyme Infusion	12/04/2017 / 18:44 (EDT)
¹ Cold Ischemia Time (CIT)	12 hrs 08 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Hematoma/transection of the head of the pancreas
Pancreas Weight (trimmed)	96.97 g
Total Islet Yield	431, 766 IEQ
³ IEQ/g of Pancreas	4452.6 IEQ/g
Islet Purity (%) & Yield	⁴ High purity (95%): 372,876 IEQ , Low purity (45%): 58,890 IEQ
Islet Viability	92%
GSIR (SI)	1.59
DNA Content (ng/IEQ)	1.73
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

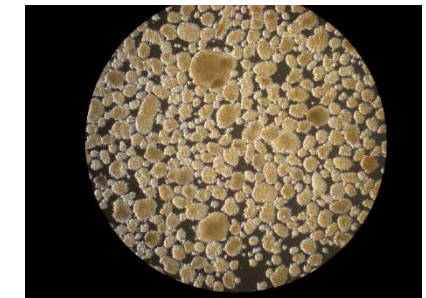
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



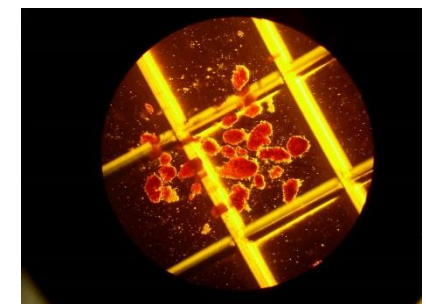
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islet in culture media (Day 1)



DTZ staining (Day 1)