

Islet Isolation

HPAP010	
Date of Procurement/Cross Clamp Time	5/27/2017 / 12:08 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/27/2017 / 21:40 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/27/2017 / 22:48 (ET)
¹ Cold Ischemia Time (CIT)	10 hrs 40 mins
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Damage during organ recovery (Cut through the junction of head and body)
Pancreas Weight (trimmed)	80.87 g
Total Islet Yield	363,215 IEQ
³ IEQ/g of Pancreas	4,491 IEQ/g
Islet Purity (%) & Yield	⁴ High purity (95%): 179,095 IEQ , Middle purity (69%): 54,928 IEQ, Low purity (49%): 129,192 IEQ
Islet Viability	88.08%
GSIR (SI)	1.11
DNA Content (ng/IEQ)	3.27
Endotoxin (EU/ml)	<0.245
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

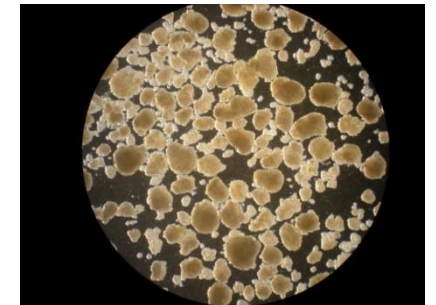
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



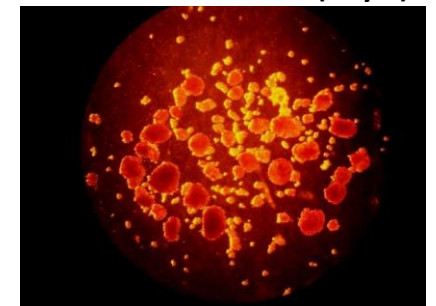
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islet in culture media (Day 1)



DTZ staining (Day 1)