

# Islet Isolation

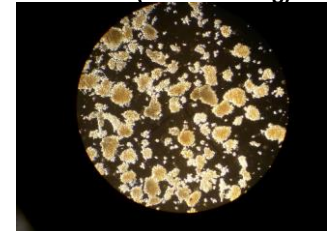
HPAP024	
Date of Procurement/Cross Clamp Time	4/8/2018 / 13:23 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	4/8 /2018 / 22:30 (EDT)
Date/Time Intra Ductal Enzyme Infusion	4/9/2018 / 00:15 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	10 hrs 52 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	44 minutes
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	79.10 g
Total Islet Yield	68,040 IEQ
<sup>3</sup> IEQ/g of Pancreas	860.18 IEQ/g
Islet Purity (%) & Yield	<sup>4</sup> Purity (80%): 24,742 IEQ, (35%): 21,038 IEQ, (20%): 22,260 IEQ
Islet Viability (%)	93
GSIR (SI)	0.3
DNA Content (ng/IEQ)	12.20
Endotoxin (EU/ml)	0.014
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)



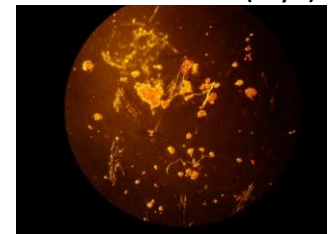
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 0)**



**DTZ staining (Day 0)**

<sup>1</sup>CIT = duration from Cross clamp time till Intra ductal enzyme infusion

<sup>2</sup>DCD = Donation after Cardiac Death (circulatory arrest)

<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

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