

# Islet Isolation

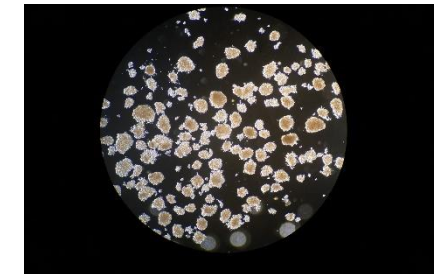
HPAP119	
Date of Procurement/Cross Clamp Time	3/21/2022, 10:21 (EST)
Date/Time Tissues Biopsy & Islet Isolation	3/22/2022, 08:08 (EST)
Date/Time Intra Ductal Enzyme Infusion	3/22/2022, 09:13 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	22 hrs 52 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	74.5 g
Total Islet Yield	101,152 IEQ
<sup>3</sup> IEQ/g of Pancreas	1,357.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%): 61,152 (30%): 40,000
Islet Viability (%)	92
GSIR (SI)	2.63
DNA Content (ng/IEQ)	9.44
Endotoxin (EU/ml)	0.497
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)



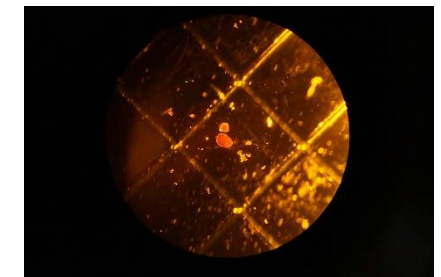
**Pancreas (Pre trimming)**



**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%