

# Islet Isolation

HPAP141	
Date of Procurement/Cross Clamp Time	1/21/2023, 11:57 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/22/2023, 06:15 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/22/2023, 07:10 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	19 hrs and 13 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty & Fat infiltration
Pancreas Weight (trimmed)	117.6 g
Total Islet Yield	58,666 IEQ
<sup>3</sup> IEQ/g of Pancreas	498.9 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (40%): 12,000 (25%):46,666
Islet Viability (%)	94
GSIR (SI)	2.08
DNA Content (ng/IEQ)	9.15
Endotoxin (EU/ml)	<0.0425
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)

<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%



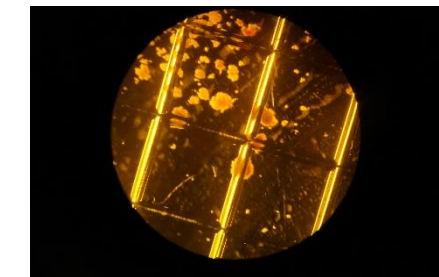
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**