

# Islet Isolation

HPAP131	
Date of Procurement/Cross Clamp Time	8/31/2022, 01:35 (EST)
Date/Time Tissues Biopsy & Islet Isolation	8/31/2022, 16:51 (EST)
Date/Time Intra Ductal Enzyme Infusion	8/31/2022, 17:31 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs 56 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal Fatty Infiltration
Pancreas Weight (trimmed)	57.3 g
Total Islet Yield	208,261 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,634.6 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%): 193,185 (30%): 15,076
Islet Viability (%)	97
GSIR (SI)	3.28
DNA Content (ng/IEQ)	9.76
Endotoxin (EU/ml)	<0.080
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%



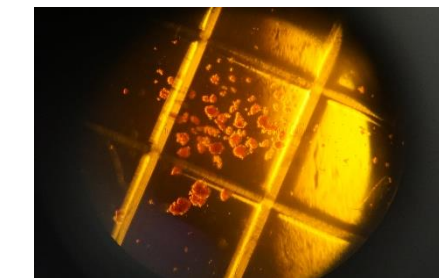
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 1)**



**DTZ staining (Day 1)**