

# Islet Isolation

HPAP140	
Date of Procurement/Cross Clamp Time	1/10/2023, 20:04 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/11/2023, 10:25 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/11/2022, 11:41 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs and 37 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	66.1 g
Total Islet Yield	463,898 IEQ
<sup>3</sup> IEQ/g of Pancreas	7.018.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (80%): 386,192 (35%):77,706
Islet Viability (%)	97
GSIR (SI)	2.33
DNA Content (ng/IEQ)	8.5
Endotoxin (EU/ml)	<0.04
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

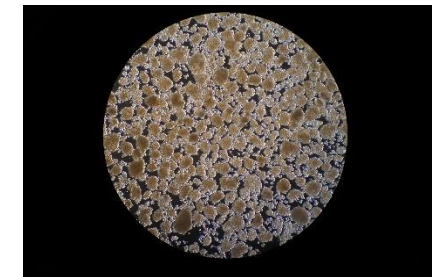
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



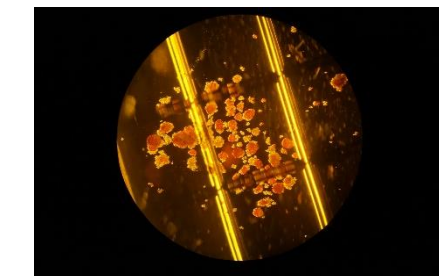
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**