

# Islet Isolation

HPAP160	
Date of Procurement/Cross Clamp Time	8/17/2023, 16:37 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	8/18/2023, 09:20 (EDT)
Date/Time Intra Ductal Enzyme Infusion	8/18/2023, 10:05 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	17 hrs and 28 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	61.6 g
Total Islet Yield	160,908 IEQ
<sup>3</sup> IEQ/g of Pancreas	2,612.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (80%): 160,908
Islet Viability (%)	93
GSIR (SI)	2.06
DNA Content (ng/IEQ)	5.82
Endotoxin (EU/ml)	0.2
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%



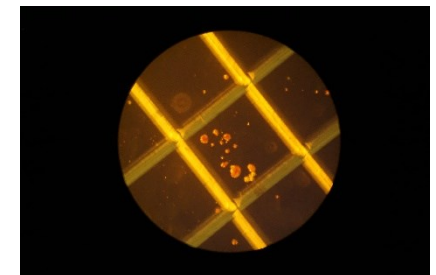
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**