

# Islet Isolation

HPAP184	
Date of Procurement/Cross Clamp Time	11/6/2024, 23:42 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	11/7/2024, 12:10 (EDT)
Date/Time Intra Ductal Enzyme Infusion	11/7/2024, 13:22 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	13 hrs and 40 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	No
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	41.3 g
Total Islet Yield	35,668 IEQ
<sup>3</sup> IEQ/g of Pancreas	863.6 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (20-30%): 20,632 (10%): 15,036
Islet Viability (%)	47
GSIR (SI)	0.11
DNA Content (ng/IEQ)	1.84
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%



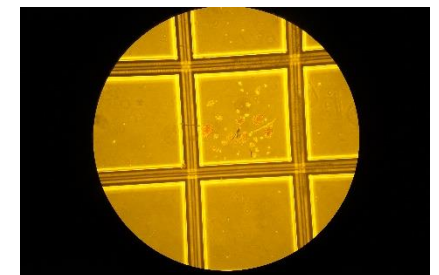
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**