

# Islet Isolation

HPAP156	
Date of Procurement/Cross Clamp Time	6/30/2023, 17:16 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	7/1/2023, 11:10 (EDT)
Date/Time Intra Ductal Enzyme Infusion	7/1/2023, 12:05 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	18 hrs and 49 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	42.7 g
Total Islet Yield	170,629 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,996.0 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (85%): 101,595 (50%): 23,000 (20%): 46,034
Islet Viability (%)	89
GSIR (SI)	0.91
DNA Content (ng/IEQ)	5.68
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%



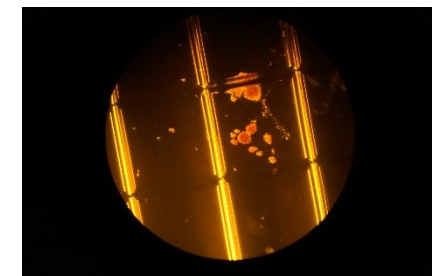
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**