

# Islet Isolation

HPAP176	
Date of Procurement/Cross Clamp Time	5/21/2024, 22:08 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/22/2024, 14:45 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/22/2024, 15:39 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	17 hrs and 31 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	45.5 g
Total Islet Yield	66,666 IEQ
<sup>3</sup> IEQ/g of Pancreas	1,465.2 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (40%): 20,296 (20%): 46,370
Islet Viability (%)	56
GSIR (SI)	0.23
DNA Content (ng/IEQ)	3.31
Endotoxin (EU/ml)	0.076
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

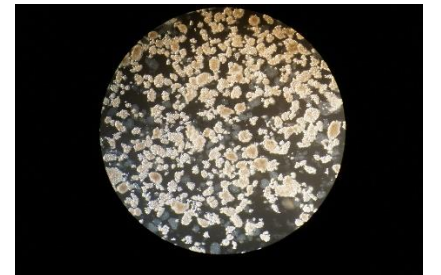
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



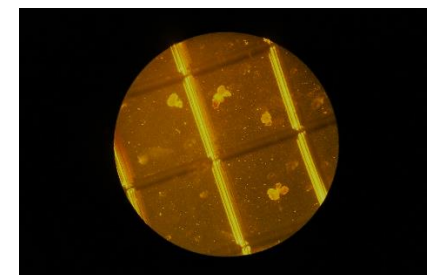
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**