

# Islet Isolation

HPAP164	
Date of Procurement/Cross Clamp Time	10/14/2023, 23:10 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	10/15/2023, 10:20 (EDT)
Date/Time Intra Ductal Enzyme Infusion	10/15/2023, 11:01 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	11 hrs and 51 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Small & edemas
Pancreas Weight (trimmed)	47.3 g
Total Islet Yield	77,340 IEQ
<sup>3</sup> IEQ/g of Pancreas	1,635.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%): 50,970 (30%): 26,370
Islet Viability (%)	91
GSIR (SI)	1.4
DNA Content (ng/IEQ)	11.01
Endotoxin (EU/ml)	0.072
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

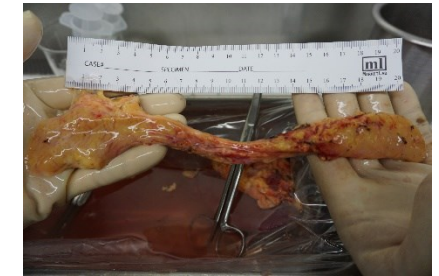
<sup>2</sup>DCD = Donation after Cardiac Death (circulatory arrest)

<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

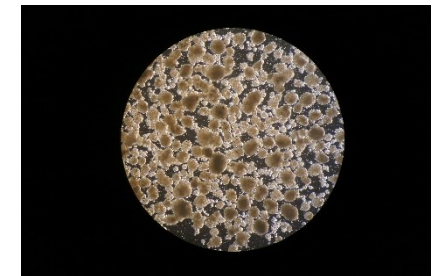
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



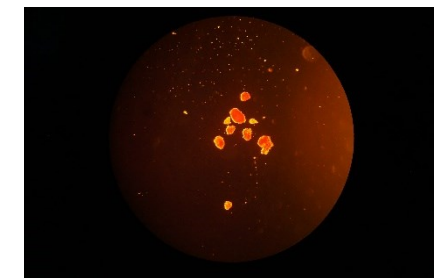
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**