

# Islet Isolation

HPAP147	
Date of Procurement/Cross Clamp Time	3/29/2023, 10:55 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	3/30/2023, 11:00 (EDT)
Date/Time Intra Ductal Enzyme Infusion	3/30/2023, 12:04 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	25 hrs and 09 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	23 mins
Pancreas Condition	Fatty, firm and serious major damages
Pancreas Weight (trimmed)	79.5 g
Total Islet Yield	246,786 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,104.2 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (70%): 171,154 (40%): 75,632
Islet Viability (%)	92
GSIR (SI)	6.31
DNA Content (ng/IEQ)	8.54
Endotoxin (EU/ml)	<0.04
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

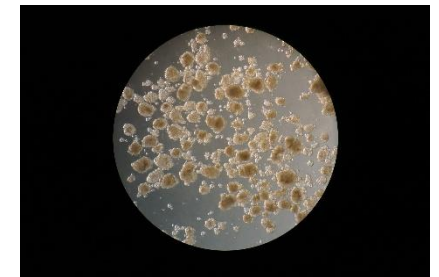
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



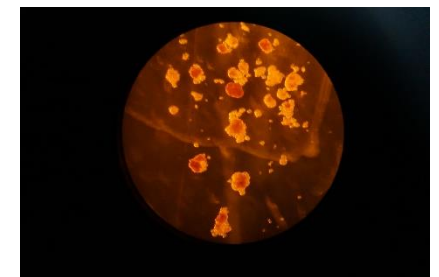
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**