

# Islet Isolation

HPAP152	
Date of Procurement/Cross Clamp Time	5/10/2023, 21:13 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	5/11/2023, 11:44 (EDT)
Date/Time Intra Ductal Enzyme Infusion	5/11/2023, 12:43 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs and 30 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty and firm
Pancreas Weight (trimmed)	82.1 g
Total Islet Yield	72,522 IEQ
<sup>3</sup> IEQ/g of Pancreas	883.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (60%): 7,298 (30%): 44,594 (15%): 20,630
Islet Viability (%)	94
GSIR (SI)	4.04
DNA Content (ng/IEQ)	10.95
Endotoxin (EU/ml)	<0.05
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

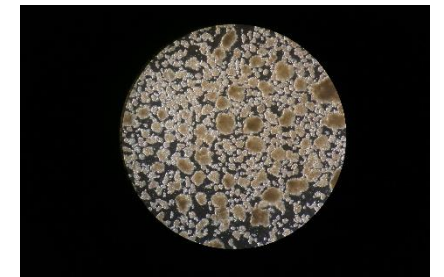
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



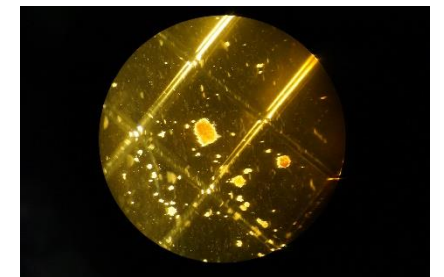
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 3)**



**DTZ staining (Day 3)**