

# Islet Isolation

## HPAP100

Date of Procurement/Cross Clamp Time	7/1/2021, 07:00 (EST)
Date/Time Tissues Biopsy & Islet Isolation	7/1/2021, (EST)
Date/Time Intra Ductal Enzyme Infusion	7/1/2021, (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs 39 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration
Pancreas Weight (trimmed)	92.4 g
Total Islet Yield	134,790 IEQ
<sup>3</sup> IEQ/g of Pancreas	1458. 8 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (85%) 21,264 . (40%) 64,228, (20%) 49,298
Islet Viability (%)	94
GSIR (SI)	0.83
DNA Content (ng/IEQ)	4.56
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

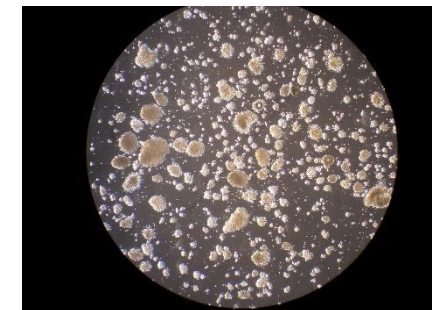
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



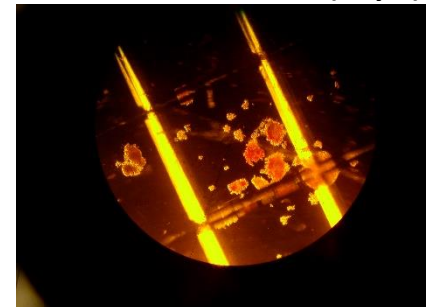
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**