

# Islet Isolation

HPAP050	
Date of Procurement/Cross Clamp Time	10/19/2019 / 08:16 (EST)
Date/Time Tissues Biopsy & Islet Isolation	10/19/2019 / 23:34 (EST)
Date/Time Intra Ductal Enzyme Infusion	10/20/2019 / 00:55 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	16 hrs 17 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration
Pancreas Weight (g, trimmed)	62.94
Total Islet Yield (IEQ)	201,075
<sup>3</sup> IEQ/g of Pancreas	3,195
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (70%) 41,538 (30%) 159,537
Islet Viability (%)	91
GSIR (SI)	1.27
DNA Content (ng/IEQ)	2.53
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%



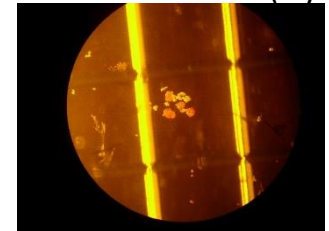
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**