

# Islet Isolation

## HPAP-T2D 51

Date of Procurement/Cross Clamp Time	1/2/2020 / 13:59 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/2/2020 / 20:05 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/2/2020 / 21:05 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	7 hrs 6 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration
Pancreas Weight (g, trimmed)	139.7
Total Islet Yield (IEQ)	201,688
<sup>3</sup> IEQ/g of Pancreas	1,443.7
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%) 171,278 (30%) 30,410
Islet Viability (%)	92
GSIR (SI)	1.09
DNA Content (ng/IEQ)	2.06
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%



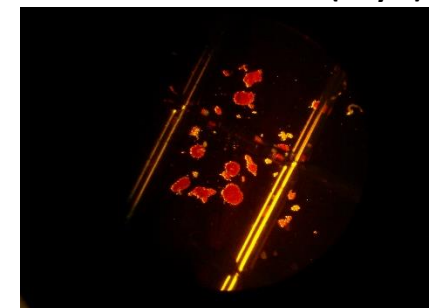
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**