

# Islet Isolation

## HPAP036

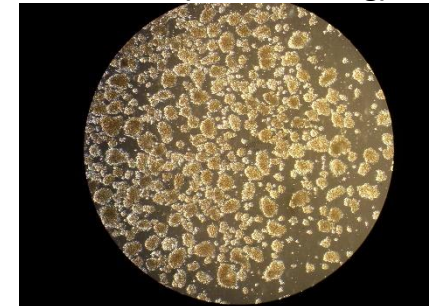
Date of Procurement/Cross Clamp Time	1/21/2019 / 18:23 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/22/2019 / 10:22 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/22/2019 / 11:50 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	17 hrs 27 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	68.32 g
Total Islet Yield	258,650 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,785.9 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%) 162,016; (50%) 96,634
Islet Viability (%)	92
GSIR (SI)	1.21
DNA Content (ng/IEQ)	2.14
Endotoxin (EU/ml)	<0.05
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)



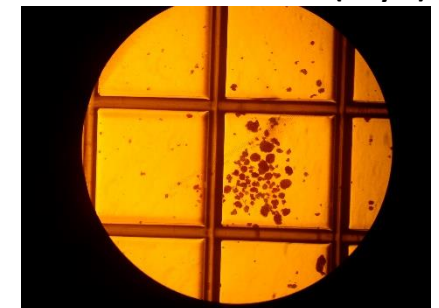
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**

<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%