

# Islet Isolation

## HPAP091

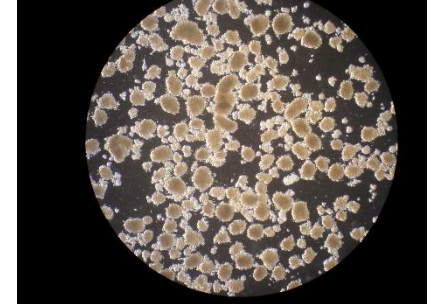
Date of Procurement/Cross Clamp Time	4/11/2021, 17:36 (EST)
Date/Time Tissues Biopsy & Islet Isolation	4/12/2021, 09:20 (EST)
Date/Time Intra Ductal Enzyme Infusion	4/12/2021, 10:18 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	16 hrs 42 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Heavily infiltrated with fat
Pancreas Weight (trimmed)	86.9 g
Total Islet Yield	220,162 IEQ
<sup>3</sup> IEQ/g of Pancreas	2,533.5 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%) 173,864, (50%) 46,298
Islet Viability (%)	92
GSIR (SI)	1.15
DNA Content (ng/IEQ)	1.90
Endotoxin (EU/ml)	0.129
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)



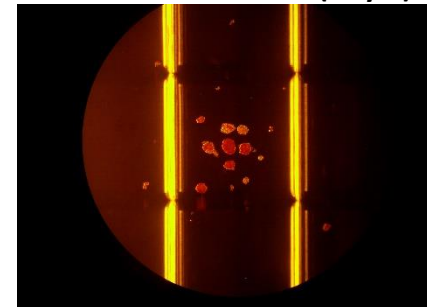
**Pancreas (Pre trimming)**



**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%