

# Islet Isolation

HPAP102	
Date of Procurement/Cross Clamp Time	7/21/2021, 21:58 (EST)
Date/Time Tissues Biopsy & Islet Isolation	7/22/2021, 14:10 (EST)
Date/Time Intra Ductal Enzyme Infusion	7/22/2021, 15:05 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	17 hrs 07 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	33.1 g
Total Islet Yield	18,298 IEQ
<sup>3</sup> IEQ/g of Pancreas	552.8 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (50%): 18,298
Islet Viability (%)	94
GSIR (SI)	0.59
DNA Content (ng/IEQ)	1.74
Endotoxin (EU/ml)	0.105
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

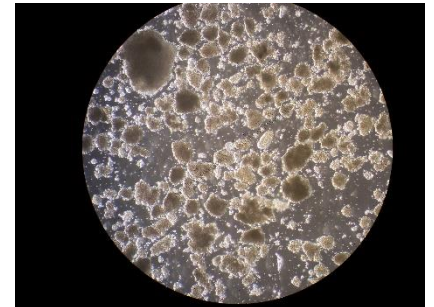
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



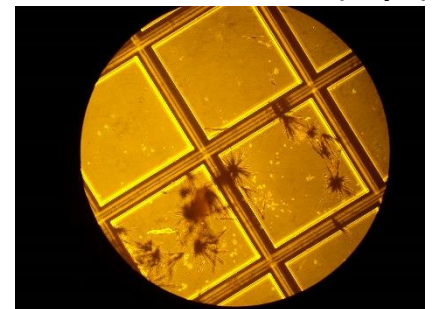
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**