

# Islet Isolation

HPAP137	
Date of Procurement/Cross Clamp Time	12/10/2022, 16:02 (EST)
Date/Time Tissues Biopsy & Islet Isolation	12/11/2022, 14:39 (EST)
Date/Time Intra Ductal Enzyme Infusion	12/11/2022, 15:30 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	23 hrs and 28 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fat infiltration
Pancreas Weight (trimmed)	46 g
Total Islet Yield	147,369 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,203.7 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (60%): 41,927 (30%): 105,442
Islet Viability (%)	87
GSIR (SI)	0.41
DNA Content (ng/IEQ)	19.07
Endotoxin (EU/ml)	< 0.04
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

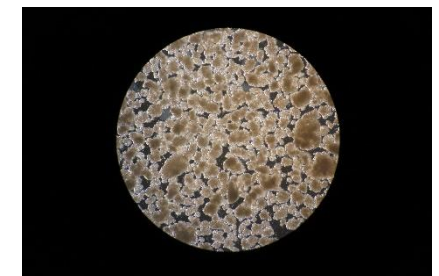
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



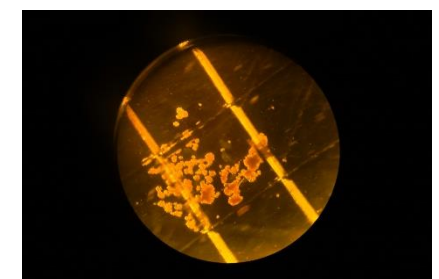
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**