

## Islet Isolation

HPAP080	
Date of Procurement/Cross Clamp Time	1/19/2021, 18:23 (EST)
Date/Time Tissues Biopsy & Islet Isolation	1/20/2021, 12:38 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/20/2021, 13:34 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	19 hrs 11 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty infiltration
Pancreas Weight (trimmed)	95.9 g
Total Islet Yield	347,341 IEQ
<sup>3</sup> IEQ/g of Pancreas	3,621.9 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (85%) 162,447. (25%) 184,894
Islet Viability (%)	87
GSIR (SI)	2.65
DNA Content (ng/IEQ)	1.99
Endotoxin (EU/ml)	0.084
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)

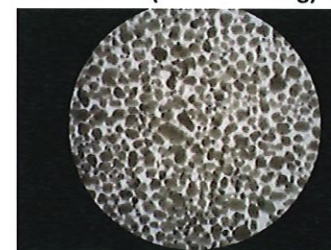
<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

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

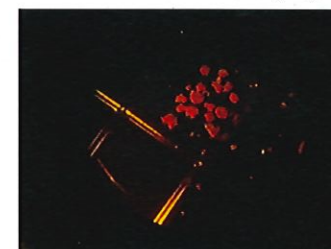


Pancreas (Pre trimming)

Pancreas (Post trimming)



Islets in culture media (Day 0)



DTZ staining (Day 0)