

# Islet Isolation

HPAP081

Date of Procurement/Cross Clamp Time	01/26/2021 18:37
Date/Time Tissues Biopsy & Islet Isolation	1/27/2021, 08:32 (EST)
Date/Time Intra Ductal Enzyme Infusion	1/27/2021, 09:31 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	14 hrs 54 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	62.9 g
Total Islet Yield	170,216 IEQ
<sup>3</sup> IEQ/g of Pancreas	IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (85%) 140,620. (20%) 29,596
Islet Viability (%)	94
GSIR (SI)	1.27
DNA Content (ng/IEQ)	2.67
Endotoxin (EU/ml)	<0.050
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

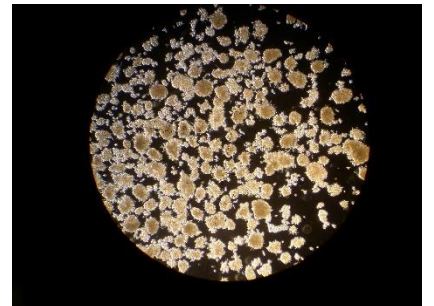
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



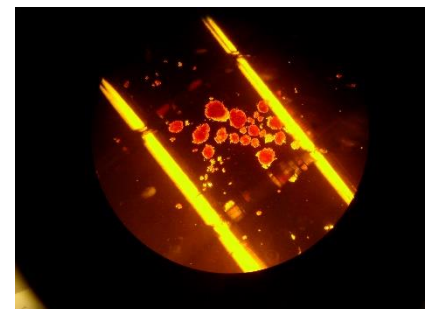
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 0)**



**DTZ staining (Day 0)**