

# Islet Isolation

HPAP087

Date of Procurement/Cross Clamp Time	3/7/2021, 19:34 (EST)
Date/Time Tissues Biopsy & Islet Isolation	3/8/2021, 10:13 (EST)
Date/Time Intra Ductal Enzyme Infusion	3/8/2021, 11:23 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs 49 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	28.8 g
Total Islet Yield	20,585 IEQ
<sup>3</sup> IEQ/g of Pancreas	714.8 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (80%) 6,435. (10%) 14,150.
Islet Viability (%)	89
GSIR (SI)	0.36
DNA Content (ng/IEQ)	0.66
Endotoxin (EU/ml)	0.062
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

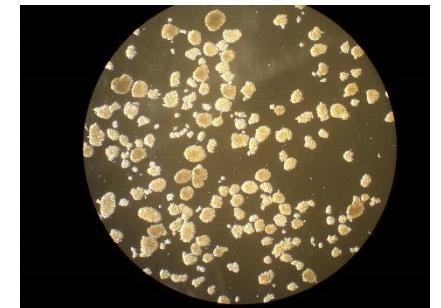
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



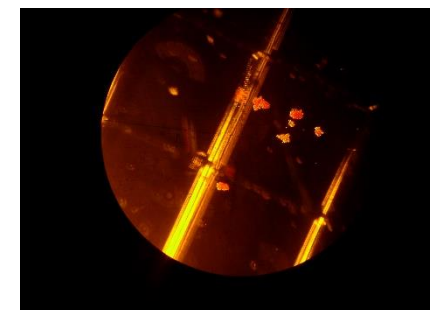
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**