

# Islet Isolation

HPAP022

Date of Procurement/Cross Clamp Time	3/24/2018 / 05:39 (EST)
Date/Time Tissues Biopsy & Islet Isolation	3/24/2018 / 12:56 (EST)
Date/Time Intra Ductal Enzyme Infusion	3/24/2018 / 14:12 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	8 hrs 33 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Damage during organ recovery (Cut through the junction of head and body)
Pancreas Weight (trimmed)	85.94 g
Total Islet Yield	636,852 IEQ
<sup>3</sup> IEQ/g of Pancreas	7410.43 IEQ/g
Islet Purity (%) & Yield	<sup>4</sup> Purity (>95%): 636,852 IEQ
Islet Viability (%)	94
GSIR (SI)	1.31
DNA Content (ng/IEQ)	3.38
Endotoxin (EU/ml)	0.082
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

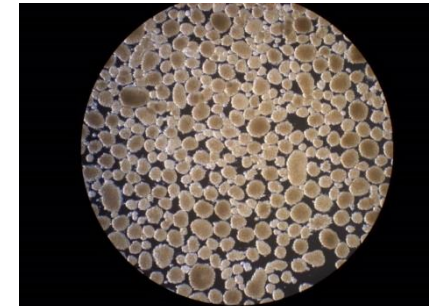
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



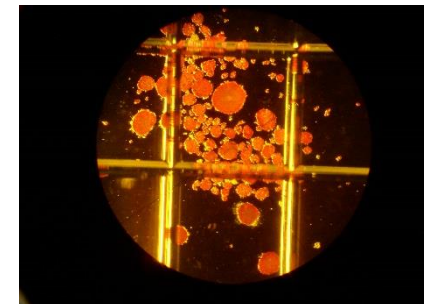
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**