

# Islet Isolation

**HPAP047**

Date of Procurement/Cross Clamp Time	9/2/2019 / 14:54 (EST)
Date/Time Tissues Biopsy & Islet Isolation	9/3/2019 / 10:05 (EST)
Date/Time Intra Ductal Enzyme Infusion	9/3/2019 / 10:31 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	19 hrs 37 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	23.6 g
Total Islet Yield	188,394 IEQ
<sup>3</sup> IEQ/g of Pancreas	7,982.8 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (50%) 71,270 (40%) 117,124
Islet Viability (%)	93
GSIR (SI)	1.54
DNA Content (ng/IEQ)	16.9
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

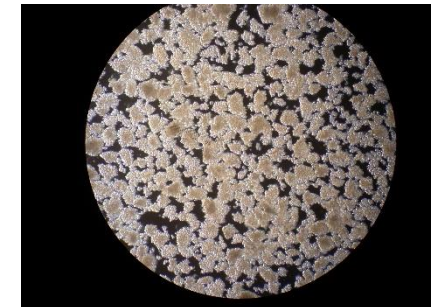
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



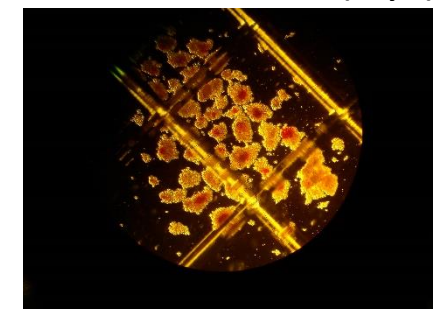
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**