

# Islet Isolation

HPAP032	
Date of Procurement/Cross Clamp Time	9/21/2018 / 07:49 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	9/21/2018 / 18:00 (EDT)
Date/Time Intra Ductal Enzyme Infusion	9/21/2018 / 19:35 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	11 hrs 46 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fatty infiltration
Pancreas Weight (trimmed)	16.44 g
Total Islet Yield	83,812 IEQ
<sup>3</sup> IEQ/g of Pancreas	5098.1 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (30%) 31,296; (10%) 52516
Islet Viability (%)	88
GSIR (SI)	0 (No insulin was detected after the glucose stimulation)
DNA Content (ng/IEQ)	23
Endotoxin (EU/ml)	0.083
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

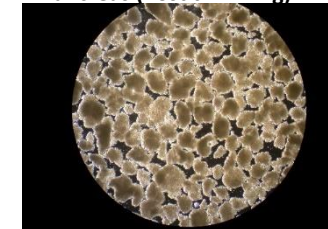
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



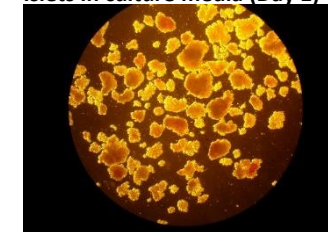
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**