

# Islet Isolation

HPAP072

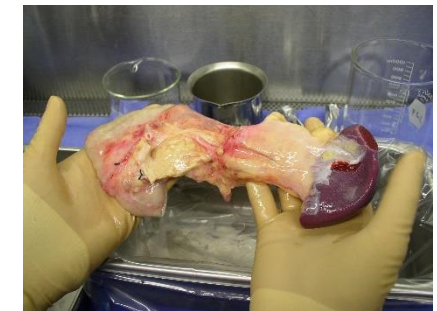
Date of Procurement/Cross Clamp Time	11/09/2020, 10:31 (EST)
Date/Time Tissues Biopsy & Islet Isolation	11/09/2020, 15:30 (EST)
Date/Time Intra Ductal Enzyme Infusion	11/09/2020, 16:25 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	5 hrs 54 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Minimal fat infiltration
Pancreas Weight (trimmed)	85.8 g
Total Islet Yield	143,042 IEQ
<sup>3</sup> IEQ/g of Pancreas	1,667 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (70%) 66,524. (40%) 76,518
Islet Viability (%)	94
GSIR (SI)	
DNA Content (ng/IEQ)	
Endotoxin (EU/ml)	
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

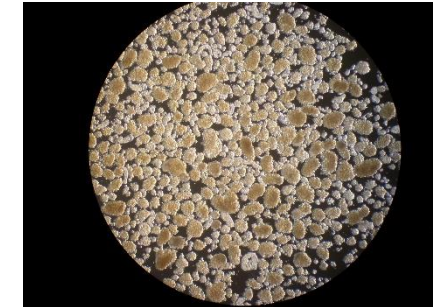
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



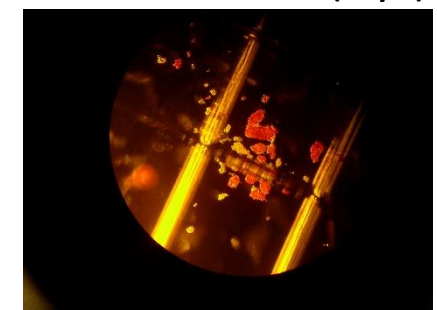
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**