

# Islet Isolation

HPAP092

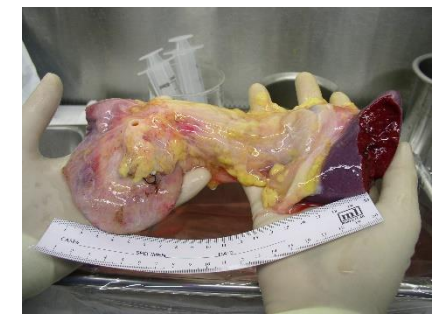
Date of Procurement/Cross Clamp Time	4/16/2021, 17:01 (EST)
Date/Time Tissues Biopsy & Islet Isolation	4/17/2021, 10:25 (EST)
Date/Time Intra Ductal Enzyme Infusion	4/17/2021, 11:34 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	18 hrs 33 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Pancreatic body and tail firm
Pancreas Weight (trimmed)	94.1 g
Total Islet Yield	247,326 IEQ
<sup>3</sup> IEQ/g of Pancreas	2,627.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (85%) 202,360. (30%) 44,966
Islet Viability (%)	90
GSIR (SI)	1.12
DNA Content (ng/IEQ)	2.35
Endotoxin (EU/ml)	0.244
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

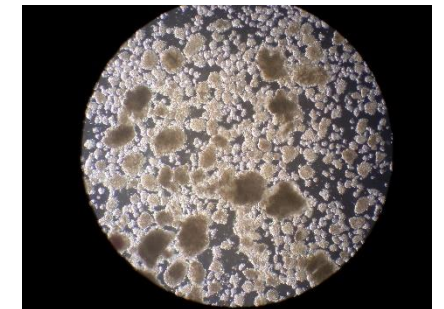
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



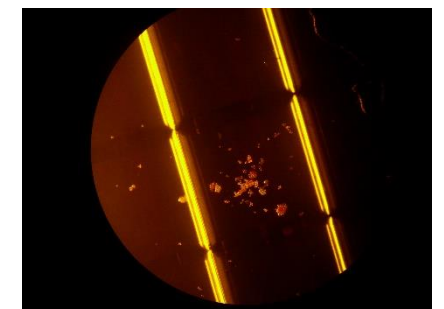
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**