

# Islet Isolation

**HPAP095**

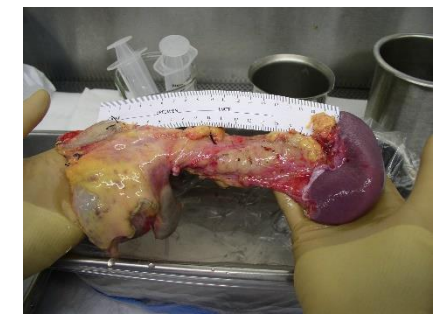
Date of Procurement/Cross Clamp Time	6/1/2021, 22:16 (EST)
Date/Time Tissues Biopsy & Islet Isolation	6/2/2021, 10:10 (EST)
Date/Time Intra Ductal Enzyme Infusion	6/2/2021, 11:13 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	12 hrs 57 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	71.5 g
Total Islet Yield	321,270 IEQ
<sup>3</sup> IEQ/g of Pancreas	4,493.3 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (90%) 253,008. (30%) 68,262
Islet Viability (%)	95
GSIR (SI)	1.14
DNA Content (ng/IEQ)	2.17
Endotoxin (EU/ml)	<0.05
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

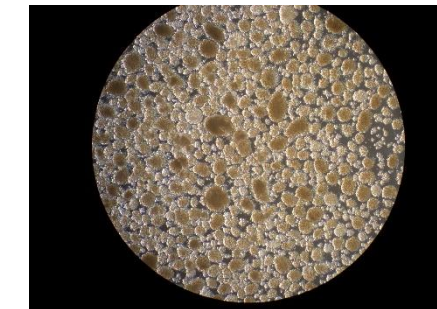
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



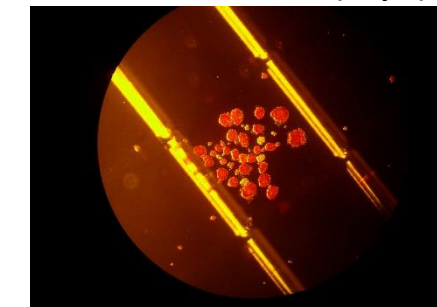
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**