

# Islet Isolation

## HPAP027

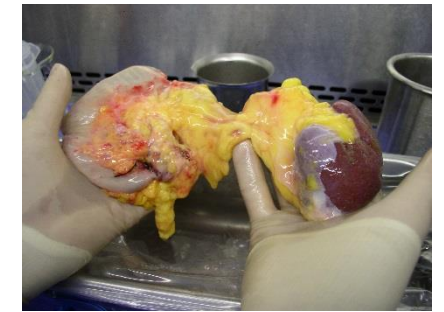
Date of Procurement/Cross Clamp Time	6/15/2018 / 2:38 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	6/15 /2018 / 10:15 (EDT)
Date/Time Intra Ductal Enzyme Infusion	6/15/2018 / 12:37 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	9 hrs 59 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Very Fatty
Pancreas Weight (trimmed)	49.17 g
Total Islet Yield	171.986 IEQ
<sup>3</sup> IEQ/g of Pancreas	3497.8 IEQ/g
Islet Purity (%) & Yield	<sup>4</sup> Purity (75%) 112,756 IEQ: (40%): 59230 IEQ
Islet Viability (%)	96
GSIR (SI)	1.01
DNA Content (ng/IEQ)	9.94
Endotoxin (EU/ml)	0.115
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

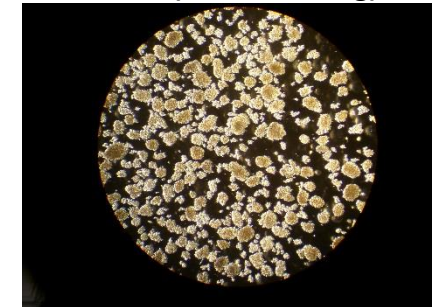
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



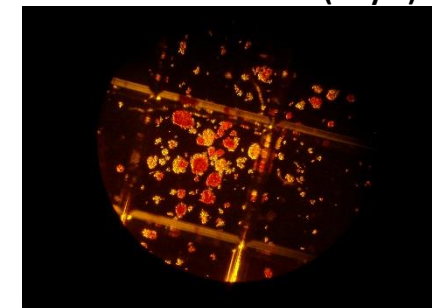
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**