

# Islet Isolation

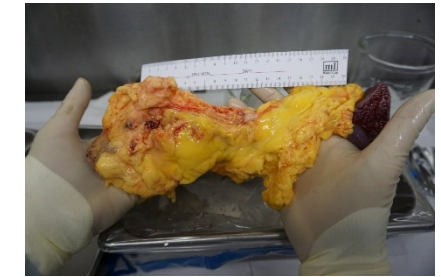
HPAP144	
Date of Procurement/Cross Clamp Time	2/23/2023, 13:31 (EST)
Date/Time Tissues Biopsy & Islet Isolation	2/24/2023, 09:29 (EST)
Date/Time Intra Ductal Enzyme Infusion	2/24/2023, 10:22 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	20 hrs and 51 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty and fat infiltration
Pancreas Weight (trimmed)	172.7 g
Total Islet Yield	103,268 IEQ
<sup>3</sup> IEQ/g of Pancreas	598.0 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (65%): 58,970 (25%): 44,298
Islet Viability (%)	93
GSIR (SI)	1.07
DNA Content (ng/IEQ)	6.95
Endotoxin (EU/ml)	0.11
Sterility Test	Growth of bacteria on day 11 post culture

<sup>1</sup>CIT = duration from Cross clamp time till Intra ductal enzyme infusion

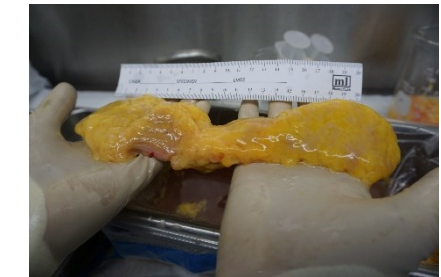
<sup>2</sup>DCD = Donation after Cardiac Death (circulatory arrest)

<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

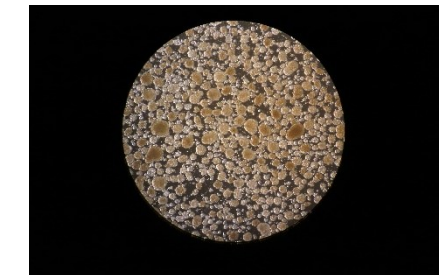
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



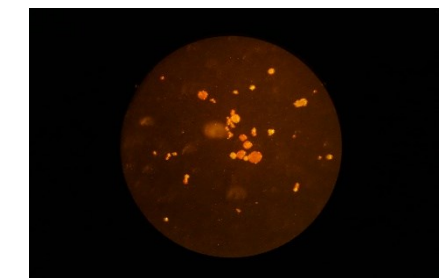
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islets in culture media (Day 3)**



**DTZ staining (Day 3)**