

# Islet Isolation

**HPAP196**

Date of Procurement/Cross Clamp Time	8/15/2025, 20:05 (EDT)
Date/Time Tissues Biopsy & Islet Isolation	8/15/2025, 21:47 (EDT)
Date/Time Intra Ductal Enzyme Infusion	8/15/2025, 22:25 (EDT)
<sup>1</sup> Cold Ischemia Time (CIT)	2 hrs and 20 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty & firm
Pancreas Weight (trimmed)	59.8 g
Total Islet Yield (IEQ)	236,022
<sup>3</sup> IEQ/g of Pancreas	3,946.9
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (95%): 153,646 (65%): 82,376
Islet Viability (%)	98
GSIR (SI)	2.53
DNA Content (ng/IEQ)	1.5
Endotoxin (EU/ml)	0.194
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

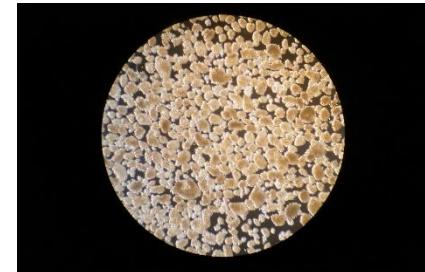
<sup>4</sup>High =>70%, Middle = 50%– 69%, Low = 30% - 49%



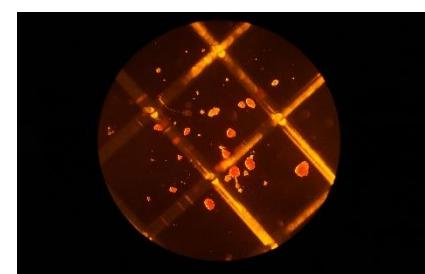
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 0)**