

# Islet Isolation

HPAP188	
Date of Procurement/Cross Clamp Time	3/8/2025, 01:35 (EST)
Date/Time Tissues Biopsy & Islet Isolation	3/8/2025, 16:25 (EST)
Date/Time Intra Ductal Enzyme Infusion	3/8/2025, 17:24 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	15 hrs and 49 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fatty
Pancreas Weight (trimmed)	74.2 g
Total Islet Yield	221,188 IEQ
<sup>3</sup> IEQ/g of Pancreas	2,981.0 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (80%):141,668 (50%):54,890 (30%): 24,630
Islet Viability (%)	90
GSIR (SI)	1.38
DNA Content (ng/IEQ)	1.66
Endotoxin (EU/ml)	0.124
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

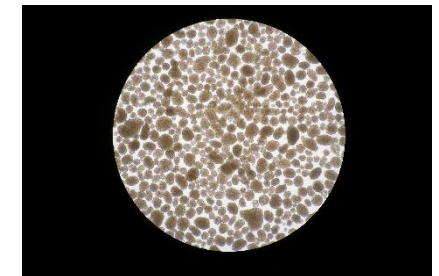
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**