

Mouse islets are isolated by collagenase digestion. Collagenase P in Hank's buffered saline is directly infused into the pancreas through the bile duct. Groups of two pancreata are then digested in 6.7 mL collagenase P for 6-8 min at 37°C using a wrist-action shaker. Depending on mouse strain and genetic modification, islets are either handpicked under microscopic guidance or purified using Histopaque gradient. As part of islet isolation service, the IPA Core provides training for end-users who are interested in islet handling and islet picking.

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