

INSTRUCTIONS

MEDIA PREPARATION AND USE FOR PIM(R)[®], PIM(S)[®], PIM(T)[®], PIM(G)[®], PIM(ABS)[®] and PIM (3X)[®]

PRECAUTIONS

It is recommended to thaw the PIM(G)[®], PIM(ABS)[®] and PIM(3X) supplements overnight at 2 to 8°C prior to use. The PIM[®] series of media (PIM R, S, T, G, ABS, 3X)[®] are stable for 60 days (once supplemented), when they are stored in the dark at 2 to 8°C. At 30 days, it is required that PIM(G)[®] be re-supplemented.

STORAGE

PIM(R)[®], PIM(S)[®], PIM(T)[®]: Store at 2 to 8°C in the dark

PIM(G)[®], PIM(ABS)[®] and PIM(3X)[®], Store at -20°C in the dark

MEDIUM PREPARATION

Aseptically add the components to make the complete medium.

For PIM(R)[®] Complete* : 500ml PIM(R)[®], 25ml PIM(ABS)[®], 5ml PIM(G)[®], 6ml PIM(3X)[®]

For PIM(S)[®] Complete* : 500ml PIM(S)[®], 25ml PIM(ABS)[®], 5ml PIM(G)[®], 6ml PIM(3X)[®]

For PIM(T)[®] Complete* : 500ml PIM(T)[®], 12.5ml PIM(ABS)[®], 5ml PIM(G)[®], 6ml PIM(3X)[®]

PHYSICAL CONDITIONS

Standard physical conditions for human islet cells that are maintained in PIM(R)[®] or PIM(S)[®] Complete are at a temperature of 37°C, in a humidified atmosphere containing 5% of CO₂. Using standard aseptic conditions, islet cultures may be maintained in PIM(R)[®] or PIM(S)[®] Complete Medium, provided they are on non-coated tissue culture treated vessels.

- PIM(R)[®] is specifically formulated for culturing islets within the first 48hours after a process. It enables the islets to round up with increased glucose responsiveness. After 48hours, it is recommended to switch to PIM(S)[®], as continued use of PIM(R)[®] will lead to islet fusion.
- PIM(S)[®] is specifically formulated for long-term islet culturing from 2-14 days at 37°C. It is enhanced with specific components that will reduce islet chaining. PIM(S)[®] and PIM(R)[®] can be used to extend culturing past four weeks, when our long-term culturing protocol is followed.
- PIM(T)[®] is specifically formulated to transport islets for up to 5 days, while maintaining viability and functionality. Shipping requires a temperature of 6-10°C.

