

## INSTRUCTIONS

## MEDIA PREPARATION AND USE FOR PIM(R)<sup>™</sup>, PIM(S)<sup>™</sup>, PIM(T)<sup>™</sup>, PIM(G)<sup>™</sup> and PIM(ABS)<sup>™</sup>

### PRECAUTIONS

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

### STORAGE

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

PIM(G) and PIM(ABS): Store at -5 to -20°C in the dark

### MEDIUM PREPARATION

Aseptically add the components to make the complete medium.

For PIM(R) Complete : 469.5ml PIM(R), 25ml PIM(ABS), 5ml PIM(G),  
0.5ml Ciprofloxacin or your antibiotic of choice.

For PIM(S) Complete: 469.5ml PIM(S), 25ml PIM(ABS), 5ml PIM(G),  
0.5ml Ciprofloxacin or your antibiotic of choice

For PIM(T) Complete: 482ml PIM(T), 12.5ml PIM(ABS), 5ml PIM(G),  
0.5ml Ciprofloxacin or your antibiotic of choice

### PHYSICAL CONDITIONS

Standard physical conditions for human islet cells that are maintained in PIM(R) or PIM(S) Complete are at a temperature between 36-38°C, in a humidified atmosphere containing 4-6% of CO<sub>2</sub>. 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 48-72 hours after a process. It enables the islets to round up with increased glucose responsiveness. After 72 hours, 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 2-21 days at 37°C. It is enhanced with specific components that will reduce islet chaining.
- PIM(T) is specifically formulated to store islets up to 21 days at 8-12°C. You will need to complete a media change every 7 days, which involves warming the media up to 37°C prior to performing the change. The islets must remain at 37°C for 24 hours before returning them back to 8-12°C for storage.

