



Case Study

Pro Line Countertop Platelet Storage System Evaluated at Large Teaching Hospital

It is critical to have a platelet storage system that reliably maintains the proper temperature range and constant agitation.

During the product development process for the Pro Line Countertop Platelet Storage Systems, Helmer Scientific provided evaluation units to an 800+ bed teaching hospital with a Level 1 trauma center. The purpose of the evaluation was for users to experience the products in a real-world setting and provide feedback to the development team at Helmer. The Pro Line platelet agitator and incubator (models [PF96-Pro](#) and [PC1200-Pro](#)) were installed and used at the facility for a period of two months.

Platelet products must be stored within a precise temperature range (from 20-24 degrees Celsius) with constant agitation. The evaluation confirmed that the Pro Line platelet incubator and agitator provided the proper temperature range and continuous agitation required for platelet storage. User instructions for the equipment were also part of the evaluation and found to be easy to follow.

Feedback from the evaluation site noted that reliable platelet storage is essential to a transfusion medicine laboratory. Platelets are unique because they have a limited shelf life and require a great deal of resources for donor centers to collect, manufacture, and deliver to hospitals. Blood banks constantly face the challenge of whether enough platelets are available to meet their patients' needs. Therefore, it is critical to have a platelet storage system that reliably maintains the proper temperature range and constant agitation. Reliable performance in terms of minimizing maintenance issues and downtime is also extremely important.

During the evaluation period blood bank staff also noted how quietly the Pro Line platelet storage system operated. With constant background noise from various pieces of equipment, plus different alarm tones and pagers sounding inside the laboratory, a blood bank can be a noisy environment. The low sound level of the new platelet storage system helped contribute to reducing noise in the laboratory and created a quieter workplace. Staff also noted the smooth operation of the agitator and described it as “stable and quiet.”

User feedback indicated that the drawer design of the Pro Line agitator makes it easier to remove platelet bags. Moreover, the agitator’s adjustable drawer spacing (with an additional slot in between each drawer position) allows flexibility to accommodate different configurations of bags as well as tags and clips on tubing.

After the conclusion of the evaluation period, the facility has continued to store platelets in the [PC1200-Pro](#) incubator and [PF96-Pro](#) agitator and provided positive feedback on the reliability and consistency of Helmer storage products.

Meer informatie nodig en gevestigd in Nederland, neem dan contact op met

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