

- 12.** The method of claim **11** further comprising:
drying the plasma by:
setting the lyophilizer chamber pressure to 0.6 mbar;
increasing the temperature to 20° C. at 0.2° C. per minute;
holding for 10 hour;
reducing the chamber pressure to 0.0 mbar; and
holding the temperature at 20° C. for 7 hour.
- 13.** A system for lyophilizing plasma comprising:
a blood-collection bag;
tubing; and
a freeze-dry tray, wherein the tubing fluidly connects the
blood collection bag and the freeze dry tray in a substan-
tially sterile manner.
- 14.** The system of claim **13**, wherein said blood-collection
bag comprises an amount of a blood component.

15. The system of claim **14**, wherein the blood component
is transferred from said blood-collection bag to said freeze-
dry tray.

16. The system of claim **15**, wherein the blood component
in said freeze-dry tray is lyophilized.

17. The system of claim **16**, wherein up to one liter of
plasma is lyophilized.

18. The system of claim **16**, wherein the blood component
is transferred to a second blood-collection bag reversibly
connected to the freeze-dry bag.

19. The system of claim **18**, wherein the second blood-
collection bag is sealed.

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