

VIPS Mini-Pool Solvent Detergent / Filtered (SD/F) Plasma & Cryoprecipitate

Pathogen inactivated, leuco-reduced plasma components for clinical transfusion

“When Simple is Genius..”



VIPS Mini-Pool (SD/F) Technology

What is SD/F?

Solvent = TnBP
Detergent = Triton X45
Filtered=0. 2µ sterile filter

Mode of action

Virus inactivation of lipid enveloped viruses, removal of pyrogen, bacteria, parasites & leucocytes from FFP, cryoprecipitate poor plasma & cryoprecipitate

Advantages

VIPS Mini-pool Solvent Detergent / Filtered Pathogen Inactivated Plasma for clinical transfusion offers new horizon in safety of blood transfusion. Inactivation of lipid enveloped viruses, removal of bacteria, pyrogen, parasites, leucocytes as well as cell debris and plasma micro-particles reduce transfusion related adverse events to a great extent when compared to standard plasma transfusion. The mild treatment preserves all plasma coagulation factors, coagulation inhibitors as well as albumin & immunoglobulins makes VIPS SD/F Plasma a safer option for plasma transfusion^{1&2}. It eliminates the need for leucocyte reduction filters as well as irradiation of plasma particularly in immune-compromised patients.

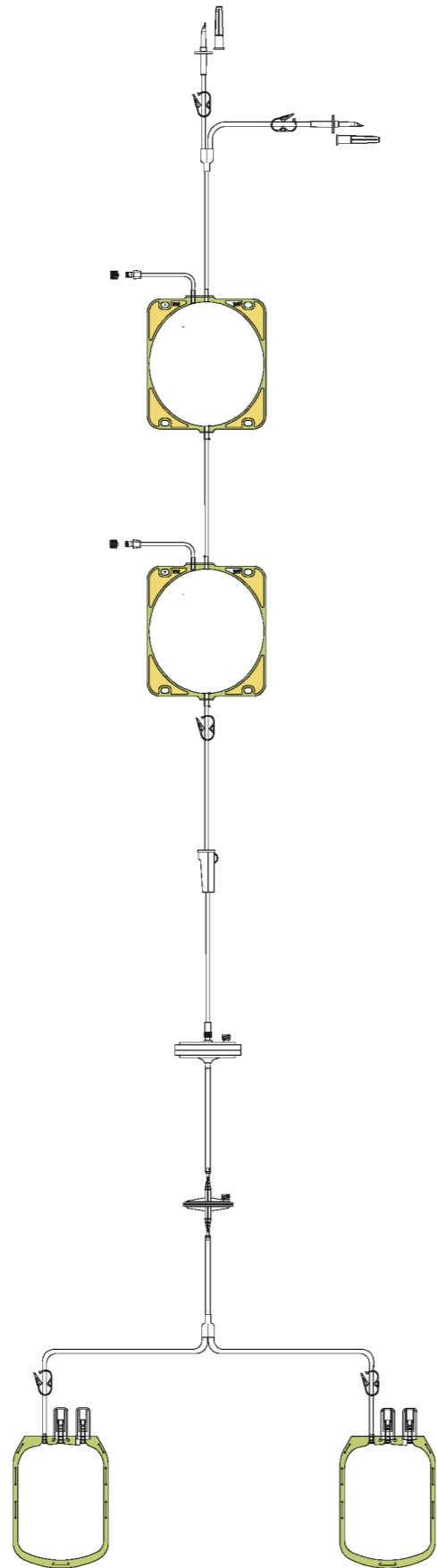
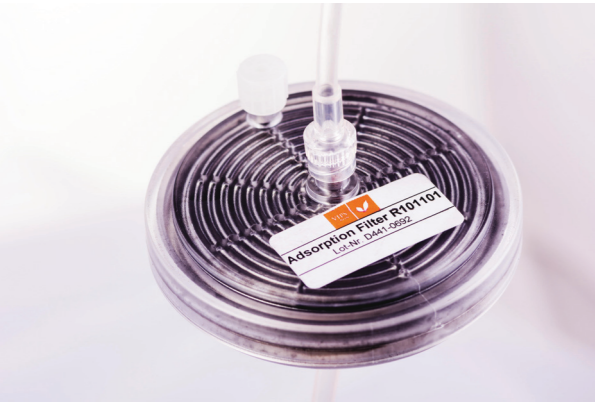
VIPS Mini-pool Solvent Detergent / Filtered Pathogen Inactivated Cryoprecipitate is a new plasma component with standardized dose of FVIII, Fibrinogen and vWF. The product is indicated in cases of patients with hemophilia A, fibrinogen deficiency, vWD, cases of post-partum coagulopathy and consumption coagulopathies with very efficient outcome and no record of transfusion related adverse events^{2,3&4}

References:

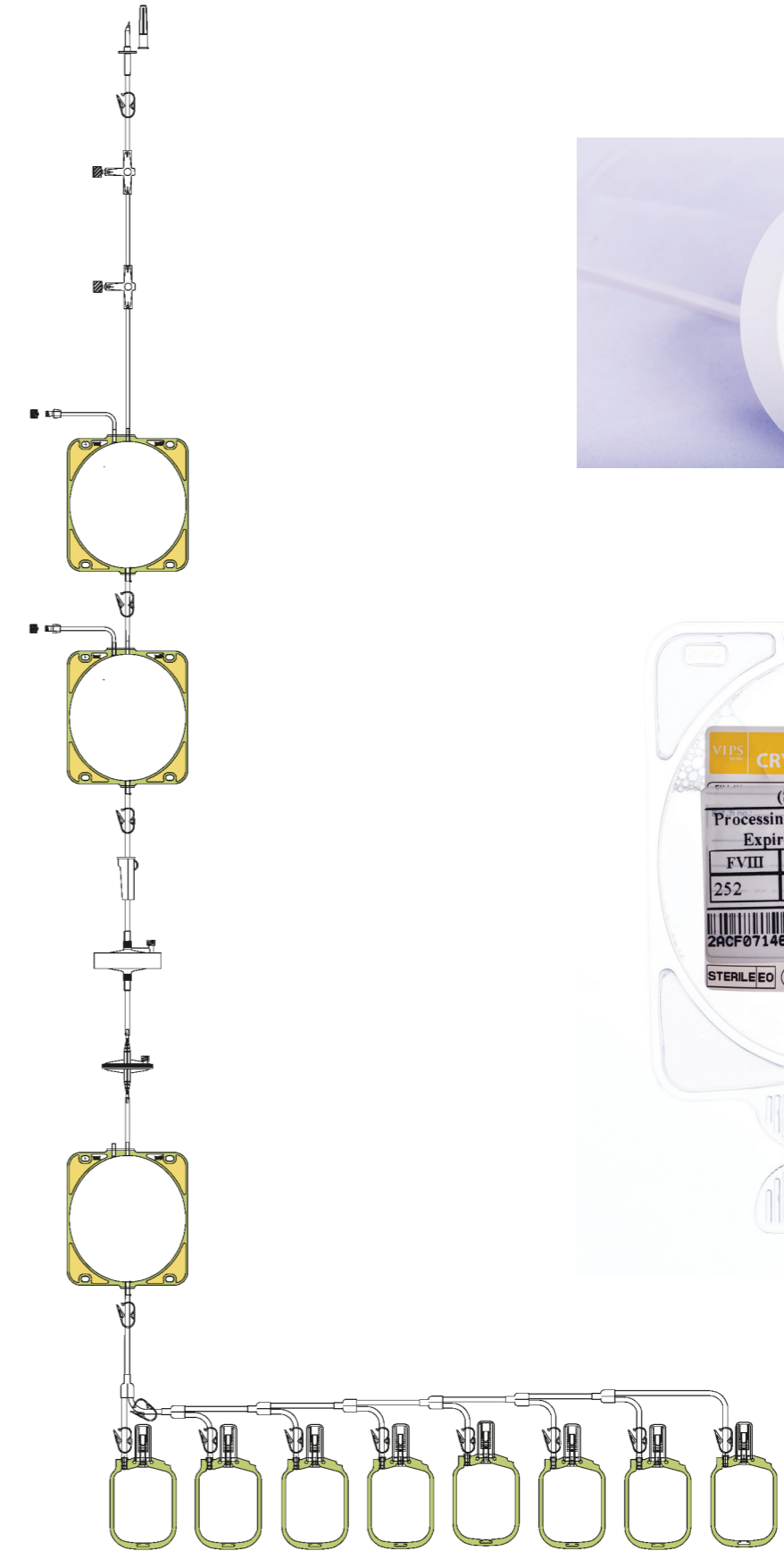
- 1- Burnouf T, Goubran HA, Radosevich M, et al. A process for solvent/detergent treatment of plasma for transfusion at blood centers that use a disposable-bag system. *Transfusion* 2006;46, (12)2100-8.
- 2- El Ekiaby M, Sayed M A, Burnouf S et al. Solvent-detergent filtered (S/D-F) fresh frozen plasma and cryoprecipitate minipools prepared in a newly designed integral disposable processing bag system. *Transfusion Medicine*, 2010, (20) 48-61
- 3- Burnouf T, Goubran HA, Radosevich M, et al. A minipool process for solvent-detergent treatment of cryoprecipitate at blood centres using a disposable bag system. *Vox Sang* 2006, (91) 56-62.
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Virus Inactivation & Sterile Filtration of Plasma



Virus Inactivation & Sterile Filtration of Cryoprecipitate





VIPS Solvent-Detergent
Plasma Kit



VIPS Solvent-Detergent
Cryoprecipitate Kit



Syringe pump for regulated
injection of Solvent-Detergent



Shaker Incubator

VIPS Mini-Pool Solvent Detergent / Filtered Plasma and Cryoprecipitate

Simple efficient technology for pathogen inactivation with long history of clinical safety

Six steps for safer plasma & cryoprecipitate (strictly follow insert pamphlet instructions):

- 1-Pool plasma or cryoprecipitate into relevant VIPS Kit.
- 2-Add Solvent-Detergent (SD) mixture.
- 3-Incubation in shaker incubator.
- 4-Add oil to remove SD mixture.
- 5-Filter plasma or cryoprecipitate after removal of oil.
- 6-Dispense into final bag for transfusion.

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