

# Non Isotopic Systems for Blood Irradiation

Blood Components	X-RAY	UV Pathogen Reduction (Amotosalen)	UV Pathogen Reduction Riboflavin
Red Blood Cells	✓	✗	↻
Platelets	✓	✓	↻
Plasma	✓	✓	↻
Whole Blood	✓	✗	↻
Transfusion Infections Graft vs Host Disease	✓	✓	↻



FDA  
Approved



In Clinical Process For FDA Approval



No FDA approval

## Four main components in blood



**Plasma**- liquid part of blood. A dilute solution of salts, glucose, amino acids, vitamins, urea, proteins and fats.

**White blood cells**- involved in immune system.

**Platelets**- involved in blood clotting.

**Red blood cells**- involved in carrying oxygen.

Blood cells