

**Ireland - More stringent blood donor testing requirements  
2015 Mapping exercise**

Colour key	
	Minimum requirements as set out in the 2004/33/EC Directive
	More stringent testing - legally binding on national level
	More stringent testing - recommended on national level
	Not legally binding and not recommended on national level

Test	Test/ technique	Legally binding	Recommendation on national level	Recommending authority/ service/ association	Type of blood donation (blood for transfusion or plasma for fractionation)	Circumstances for application/ donor profile	Regional differences	Further comments
<b>Basic testing</b>								
Blood group testing	ABO typing	YES	YES	IBTS Policy <a href="https://www.giveblood.ie">https://www.giveblood.ie</a>	whole blood/ blood components for transfusion	Donors born outside Ireland screened for HbS. All Apheresis or Neonatal donors screened for HbS. All RhD Neg neonatal products are C & E Typed (Neg), CMV Neg, Kell Neg & from Donor who have donated in the last 2 years.	NO	All Donors ABO grouped + RhD typed using 2 Anti-D that detect Dvi; New donors tested twice including 2 Anti-D that do not detect Dvi and a reverse group using A1 & B cells. All antibody screened using R1R1(K+) & R2R2 cells in enzyme. All screened for high titre Anti-A,B using A1B cell in saline in plasma dilution of 1:100. Tested on PK7300 with BioRad grouping cards for anomalies. All Apheresis or Neonatal donors screened for HbS
	RhD typing	YES	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations	NO	All donors tested x 2 Anti-D's that detect DVI (IgG/IgM blend) - New Donors tested with further 2 x Anti-D that do not detect DVI (IgM). All RhD Neg C+ or E+ donors tested in BioRad cards using partial D Kit and all weak types ref'd to IBGRL for PCR testing / sequencing
	Other, please specify (Kell etc.)	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations	NO	All donors are Kell typed. Most donors are Rh phenotyped. Selected donors are typed to retain a stock of R1R1 / R2R2 Fya, M-, S-, Jka- & Jkb-, Jka & Jkb typing on PK7300. Other types Fya,Fyb,S,s,M,k & Kpb performed in BioRad cards using QASAR IV. A futher antigen typing driven by specific patient needs and performed to order (advance notification)
HLA testing								
Disease testing								
<b>VIRAL</b>								
HIV 1 and HIV 2	Anti-HIV 1	YES	NO	N/A	whole blood/ blood	all donations	NO	
	Anti-HIV 2	YES	NO	N/A	whole blood/ blood	all donations		
	HIV 1p24							
	HIV NAT pool or ID	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations		
	HIV NAT ID							
	Other technique							
Hepatitis B	HbS Ag	YES	NO	N/A	whole blood/ blood	all donations	NO	
	Anti-HBc	NO	YES	IBTS Policy	whole blood/ blood	all donations		
	Anti - HBs							
	HBV NAT pool or ID							
	HBV NAT ID	NO	YES	IBTS Policy	whole blood/ blood	all donations		
	Other technique							
Hepatitis C	Anti-HCV	YES	NO	N/A	whole blood/ blood	all donations	NO	
	HCV NAT pool or ID	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations		
	HCV NAT ID							
	Other technique							
Hepatitis E								Testing for HEV NAT to commence in 2016.
HTLV-1	HTLV-1/ technique not specified						NO	
	Anti-HTLV-1	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations		
	HTLV-1 NAT pool or ID							
	HTLV-1 NAT ID							
	Other technique							
HTLV-2	HTLV-2/ technique not specified						NO	
	Anti-HTLV-2	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations		
	HTLV-2 NAT pool or ID							
	HTLV-2 NAT ID							
	Other technique							
Ebola Virus								

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Chikungunya virus								
Cytomegalovirus	CMV/ technique not specified						NO	
	Anti-CMV	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	Selected donations for specific patient types are tested for anti-CMV		
	CMV NAT pool or ID							
	CMV NAT ID Other technique							
West Nile Virus	WNV/ technique not specified WNV NAT pool or ID						NO	
	WNV NAT ID*	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	Donors who have visited WNV areas are tested on a seasonal basis.		
	Other technique							
Dengue Virus								
Epstein-Barr virus								
Human Parvovirus B19								
Herpes simplex virus								
Nonspecific viral infection								
Other pathogen,								
<b>PARASITIC</b>								
Malaria								
Trypanosomiasis								
Babesiosis								
Leishmaniasis								
Toxoplasmosis								
Other pathogen,								
<b>BACTERIAL</b>								
Treponema pallidum (Syphilis)	Technique not specified						NO	
	Anti- <i>T. pallidum</i>	NO	YES	IBTS Policy	whole blood/ blood components for transfusion	all donations		
	<i>T. pallidum</i> NAT pool or ID							
	<i>T. pallidum</i> NAT ID							
	Culture Other technique							
Neisseria								
Brucellosis								
Tuberculosis								
Q-fever								
Other pathogen,								
<b>FUNGI</b>								
specify pathogen								

\* For West Nile Virus NAT ID, see 2004/33/EC as amended by 2014/110/EU with a deadline for transposition into national law of December 31, 2015