

**Italy - 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
Basic testing								
Blood group testing	ABO typing	YES	YES	Ministry of Health	whole blood/ blood components for transfusion	all donations	NO	
	RhD typing	YES	YES	Ministry of Health	whole blood/ blood components for transfusion	Specific requirement for weak RhD testing	NO	
	Other, please specify (Kell etc.)	YES	YES	Ministry of Health	whole blood/ blood components for transfusion	First time donor at the first donation	NO	Rh phenotype and anti-erythrocytes antibodies screening
HLA testing	HLA/ Technique not specified	NO	YES	Italian Society of Transfusion Medicine and Immunohaematology (SIMTI)	whole blood/ blood components for transfusion	Specific clinical conditions, such as the need to transfuse HLA/HPA compatible platelets	NO	
	HLA Ab							
	HLA Ag							
	HLA gene							
	Other technique							
Disease testing								
VIRAL								
HIV 1 and HIV 2	Anti-HIV 1	YES	YES	Ministry of Health	both	all donations	NO	Concerning plasma for fractionation, test refers to single donation
	Anti-HIV 2	YES	YES	Ministry of Health	both	all donations		
	HIV 1p24							
	HIV NAT pool or ID	YES	YES	Ministry of Health	both	all donations		
	HIV NAT ID							
	Other technique							
Hepatitis B	HBs Ag	YES	YES	Ministry of Health	both	all donations	NO	Concerning plasma for fractionation, test refers to single donation
	Anti-HBc							
	Anti - HBs							
	HBV NAT pool or ID	YES	YES	Ministry of Health	both	all donations		
	HBV NAT ID							
	Other technique							
Hepatitis C	Anti-HCV	YES	YES	Ministry of Health	both	all donations	NO	Concerning plasma for fractionation, test refers to single donation
	HCV NAT pool or ID	YES	YES	Ministry of Health	both	all donations		
	HCV NAT ID							
	Other technique							
Hepatitis E								
HTLV-1								
HTLV-2								
Ebola Virus								
Chikungunya virus								
Cytomegalovirus	CMV/ technique not specified						NO	
	Anti-CMV	NO	YES	Italian Society of Transfusion Medicine and Immunohaematology (SIMTI)	whole blood/ blood components for transfusion	Blood components for selected recipients		
	CMV NAT pool or ID							
	CMV NAT ID							
	Other technique							
West Nile Virus*	WNV/ technique not specified						YES	WNV NAT testing is performed for each donation of blood donors living in affected areas, from June to October
	WNV NAT pool or ID	YES	YES	Ministry of Health	both	donors living in affected areas, during defined summer periods		
	WNV NAT ID	YES	YES	Ministry of Health	both	all donations		
	Other technique							
Dengue Virus								
Epstein-Barr virus								
Human Parvovirus B19	HPVB19/ technique not specified						NO	Concerning plasma for fractionation, test refers to plasma pool performed by the fractionators
	HPVB19 NAT pool or ID	YES	YES	PPTA Voluntary Standards	plasma for fractionation	all donations		
	HPVB19 NAT ID							
	Other technique							
Hepatitis A	HAV/ technique not specified						NO	Concerning plasma for fractionation, test refers to plasma pool performed by the fractionators
	HAV NAT pool or ID	YES	YES	PPTA Voluntary Standards	plasma for fractionation	all donations		
	HAV NAT ID							
	Other technique							
Herpes simplex virus								
Nonspecific viral infection								
Other pathogen, specify								
PARASITIC								
Malaria								
Trypanosomiasis								
Babesiosis								
Leishmaniasis								
Toxoplasmosis								
Other pathogen,								

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BACTERIAL								
Treponema pallidum (Syphilis)	Technique not specified						NO	
	Microscopy							
	Anti- <i>T. pallidum</i>	YES	YES	Ministry of Health	both	all donations		
	<i>T. pallidum</i> NAT pool or ID							
	<i>T. pallidum</i> NAT ID							
	Culture							
	Other technique							
Neisseria gonorrhoeae								
Brucellosis								
Tuberculosis								
Q-fever								
Other pathogen								
FUNGI								
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