

**Czech Republic - More stringent blood donor testing requirements
2015 Mapping exercise**

Colour key	
	Minimum requirements as set out in Directive 2004/23/EC
	More stringent testing - legally binding on national level
	More stringent testing - recommended on national level
	Not legally binding and not recommended on national level

Non-reproductive tissues and cells

Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
VIRAL									
HIV 1 and HIV 2	Anti-HIV 1	YES	NO	N/A	all	all		NO	
	Anti-HIV 2	YES	NO	N/A	all	all			
	HIV 1p24	YES	NO	N/A	all	all	no comments		
	HIV NAT								
	Ag HIV	YES	NO	N/A	all	all	no comments		
	Other technique								
Hepatitis B	HBs Ag	YES	NO	N/A	all	all		NO	
	Anti-HBc	YES	NO	N/A	all	all			
	Anti - HBs								
	HBV NAT								
	Other technique								
Hepatitis C	Anti-HCV	YES	NO	N/A	all	all		NO	
	HCV NAT								
	Other technique								
HTLV-1	Technique not specified							NO	
	Anti-HTLV-1	YES	NO	N/A	Testing must be performed for donors living in, or originating from, high-prevalence areas or with sexual partners originating from those areas or where the donor's parents originate from those areas	all			
	HTLV-1 NAT								
	Other technique								
HTLV-2	Technique not specified	YES	NO	N/A	deceased donors	all	no comments	NO	
	Anti-HTLV-2								
	HTLV-2 NAT								
	Other technique								
Chikungunya virus									

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Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
Cytomegalovirus	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history for this pathogen.	all	no comments	NO	
	Anti-CMV								
	CMV NAT								
	Other technique								
Dengue Virus									
Ebola Virus									
Epstein-Barr virus	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history for this pathogen.	all	no comments	NO	
	Anti-EBV								
	Other technique								
Hepatitis E									
Human Parvovirus B19									
Herpes simplex virus									
West Nile Virus									
specify pathogen									
PARASITIC									
Babesiosis									
Leishmaniasis									
Malaria	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history for this pathogen.	all	no comments	NO	
	Microscopy								
	<i>Plasmodium sp.</i> . Ab								
	<i>Plasmodium sp.</i> . Ag								
	<i>Plasmodium sp.</i> . Ag - rapid test								
	<i>Plasmodium sp.</i> . NAT								
	Other technique								
Toxoplasmosis	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history for this pathogen.	all	no comments	NO	
	Anti- <i>Toxoplasma gondii</i>								

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					Donor profile	Tissue/cell type	Comments		
	Microscopy Other technique								
Trypanosomiasis	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history for this pathogen.	all	no comments	NO	
	Anti- <i>Trypanosoma cruzi</i>								
	Microscopy Other technique								
specify pathogen									
BACTERIAL									
<i>Treponema pallidum</i> (Syphilis)	Technique not specified	YES	NO	N/A	all	all		NO	In addition to the Anti-T. pallidum test, one non-specific test is mandatory. It can be either done by Microscopy or another technique.
	Anti- <i>T. pallidum</i>	YES	NO	N/A	all	all	no comments		
	Microscopy								
	<i>T. pallidum</i> NAT								
	Other technique								
<i>Chlamydia trachomatis</i>									
<i>Neisseria gonorrhoeae</i>									
Brucellosis									
Tuberculosis									
Q-fever									
FUNGI									
specify pathogen									
Transmissible spongiform encephalopathies	Prion (PrP) detection	YES	NO	N/A	deceased donors	ocular tissues	test done with brain samples	NO	
	Other technique								
Other Tests									
ABO blood group testing									
RhD blood group testing	RhD typing	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history	all	no comments	NO	
	Other technique								
HLA testing	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history	all	no comments	NO	
	HLA Ab								
	HLA Ag								
	HLA gene								
	Other technique								

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Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
Genetic testing, please specify condition									

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Reproductive tissues and cells

Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
VIRAL									
HIV 1 and HIV 2	Anti-HIV 1	YES	NO	N/A	all	all		NO	
	Anti-HIV 2	YES	NO	N/A	all	all			
	HIV 1p24	YES	NO	N/A	all	all	no comments		
	HIV NAT								
	Ag HIV	YES	NO	N/A	all	all	no comments		
	Other technique								
Hepatitis B	HBs Ag	YES	NO	N/A	all	all		NO	
	Anti-HBc	YES	NO	N/A	all	all			
	Anti - HBs								
	HBV NAT								
	Other technique								
Hepatitis C	Anti-HCV	YES	NO	N/A	all	all		NO	
	HCV NAT								
	Other technique								
HTLV-1	Technique not specified							NO	
	Anti-HTLV-1	YES	NO	N/A	testing must be performed for donors living in, or originating from, high-prevalence areas or with sexual partners originating from those areas or where the donor's parents originate from those areas	all			
	HTLV-1 NAT								
	Other technique								
HTLV-2									
Chikungunya virus									
Cytomegalovirus	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history and taking into account the epidemiologic circumstances for this pathogen.	all	no comments	NO	
	Anti-CMV								
	CMV NAT								
	Other technique								
Dengue Virus									
Ebola Virus									
Epstein-Barr virus									
Hepatitis E									
Human Parvovirus B19									
Herpes simplex virus									
West Nile Virus									
specify pathogen									
PARASITIC									
Babesiosis									
Leishmaniasis									

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					Donor profile	Tissue/cell type	Comments		
Malaria	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history and taking into account the epidemiologic circumstances for this pathogen.	all	no comments	NO	
	Microscopy								
	<i>Plasmodium sp.</i> . Ab								
	<i>Plasmodium sp.</i> . Ag								
	<i>Plasmodium sp.</i> . Ag - rapid test								
	<i>Plasmodium sp.</i> NAT								
	Other technique								
Toxoplasmosis									
Trypanosomiasis	Technique not specified	YES	NO	N/A	Testing is mandatory in all living donors with relevant donor history and taking into account the epidemiologic circumstances for this pathogen.	all	no comments	NO	
	Anti-Trypanosoma cruzi								
	Microscopy								
	Other technique								
specify pathogen									
BACTERIAL									
<i>Treponema pallidum</i> (Syphilis)	Technique not specified	YES	NO	N/A	non-partner donations	all		NO	In addition to the Anti-T. pallidum test (VDRL), it is mandatory to perform another non-specific test (e.g....).
	Anti-T. pallidum	YES	NO	N/A	all	all	no comments		
	Microscopy								
	<i>T. pallidum</i> NAT								
	Other technique								
<i>Chlamydia trachomatis</i>	Technique not specified							NO	
	<i>C. trachomatis</i> DFA								
	<i>C. trachomatis</i> EIA								
	<i>C. trachomatis</i> NAT	YES	NO	N/A	non-partner donations	all			
	Culture								
	Other technique								
<i>Neisseria gonorrhoeae</i>									
Brucellosis									
Tuberculosis									
Q-fever									
specify pathogen									
FUNGI									
specify pathogen									
Transmissible spongiform									
Other Tests									
ABO blood group testing									
RhD blood group testing	RhD typing	YES	NO	N/A	all	all	no comments	NO	
	Other technique								
HLA testing									

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Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
Genetic testing, please specify condition	chromosomal aberrations, mutation CFTR gene	YES	NO	N/A	non-partners donation	all	no comments	NO	