

TRINA



CONTROLS & CALIBRATORS

INFECTIOUS  
DISEASE  
QUALITY  
CONTROLS

## Infectious Disease Quality Controls

A broad selection of controls designed to monitor assay precision of hepatitis, retrovirus, sexually transmitted disease, congenital disease, and other infectious disease testing.

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# OEM Manufacturing

TRINA Manufactures customized bulked and vialled controls, calibrators and panels. Through our scalable and lean production design, we ensure low cost and consistency in many IVD supply chains worldwide. Our strength lies in the customization and adaption of each product, while having an unrivaled access to raw materials, antigens, plasmas and components.

## 1. Human Plasma / Serum

- Characteristics: Matrix, Population, Regulatory
- Titer: Assay, Subtyping, IgG, IgM / Viral load / Antigen load

## 2. Processed Plasma

- Filter Method
- Buffer
- Antimicrobial / Antifungal Agents
- Proprietary Stabilization
- Heat treatments
- Processing Method
- Defibrination
- Delipidation
- Dialyse
- Level adjustment

## 3. Controls / Calibration / Proficiency testing / Panels

- Natural Enzyme immobilization
- Protease Inhibitors
- Stability Data
- Vial Selection
- Additives / Antioxidants
- Additives for Lyophilization / Liquid Stability
- Cryoprotectants

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↓  
controller level process

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## 1.1 Syphilis Control

Anti-Treponema Positive Control is confirmed reactive with multiple industry standard systems.

## 1.2 Infectious disease

Positive Control with multiple industry standard systems.

Both negative/positive and multianalyte controls.

Specificity	Specificity
BORRELIA IgM	MUMPS IgG
BORRELIA IgG	MYCOPLASMA IgG
CHAGAS	MYCOPLASMA IgM
CMV IgG	PARVOVIRUS B 19 IgM
CMV IgG Avidity	PARVOVIRUS B19 IgG
CMV IgM	RUBELLA IgG
EA IgG	RUBELLA IgM
EBNA IgG	SYPHILIS
EBV	TOXO IgG
EBV IgM	TOXO IgG Avidity
HAV IgM	TOXO IgM
HIV Ag / Ab Combo	TREPONEMA
HTLV-I/HTLV-II	VCA IgG
MEASLES IgG	Zika IgM

- Liquid ready-to-use
- Stable to expiry when stored at 2-8°C
- Qualitative or quantitative results

## 1.3 Hepatitis Control

HepCon I	HepCon II	HepCon III
Anti-HAV	Anti-HAV	Anti-CMV
HBc-IgM	Anti-HBs	Anti-HBc
HAV-IgM	Anti-HBe	Anti-HCV
	Anti-HBc	Anti-HIV-1
		Anti-HTLV-I
		HBsAg

- True human serum based
- 3 year shelf life at 2–8°C
- 60 day open-vial stability at 2–8°C

## 1.4 Negative Basematrix

Made from true human plasma & serum, Customized chemical profiles, batch size 1L - 1000L, 0.2µ filtered.

Code	Specificity	Form
SP0520	anti-HBs neg	defibrinated
SP0521	anti-HAV neg	delipidized
SP0830	Human Serum, anti-HBs neg.	defibrinated
SP1846	IgG free	delipidized
SP1848	Heavy charcoal stripped	delipidized
SP1850	Estradiol (E2) free	delipidized
SP1855	Steroid free	delipidized
SP1904	All Hepatitis free	defibrinated
SP1845	TSH affinity stripped	delipidized

## 1.5 Panels & Interferences

Natural Interferences in EDTA plasma, serum or any other Matrix

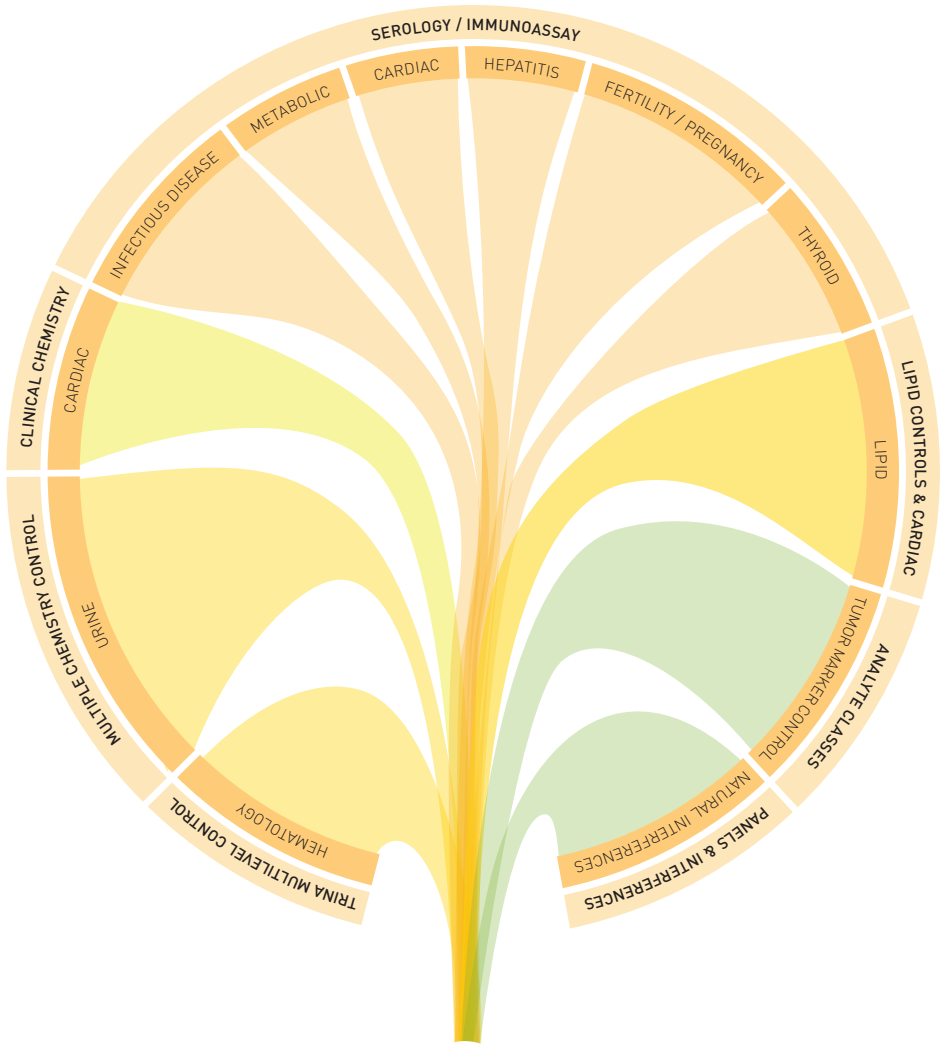
Endogenous interference	Optimal interfering concentration
Albumin	60 g/L
Bilirubin (unconjugated)	350 µmol/L
Bilirubin (conjugated)	350 µmol/L
Hemoglobin	2 g/L
Human DNA	0.4 mg/dl
Triglycerides	3000 mg/dl

- Other Interferences: Systemic Lupus Erythematosus (SLE), Rheumatoid Factor (RF) / CCP, Antinuclear Antibody (ANA), HAMA, Rubella, Medications

## 1.6 All Virus Negative Control

An non-reactive quality control, made from human serum. Non-reactive for tested analytes for Hepatitis, Retrovirus, Syphilis and antibodies to CMV

Anti-CMV	Anti-HCV	HAV-IgM
Anti-HAV	Anti-HDV	HIV-1 Ag
Anti-HBc	Anti-HIV-1	Non-treponemal Antibodies
Anti-HBe	Anti-HIV-2	(Syphilitic Reagin)
Anti-HBs	Anti-HTLV-I	Treponema pallidum
HBc-IgM	Anti-HTLV-II	(Syphilis) IgG
HBeAg		Treponema pallidum
HBsAg		(Syphilis) IgM



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## 1.7 TORCH IgG Control

Two level, liquid control used to monitor the most widely used serology test methods. A positive and a negative control allow you to check the precision of your test system.

### Liquid or lyophilized , human serum based

- Toxoplasma gondii IgG
- Rubella Virus IgG
- Cytomegalovirus (CMV) IgG
- Herpes Simplex Virus Type 1 (HSV-1) IgG
- Herpes Simplex Virus Type 2 (HSV-2) IgG
- Epstein-Barr Virus (VCA) IgG
- Varicella Zoster Virus (VZV) IgG
- Helicobacter pylori IgG
- Treponema pallidum (Syphilis) IgG
- Syphilis RPR

- Open vial: 90 days at +2 ~ +8°C
- Closed vial: 3 years at +2 ~ +8°C

## 1.8 TORCH IgM Control

Two level, unassayed liquid control used to monitor the precision of immunoassay methods to detect IgM antibodies to ToRCH panel analytes.

### Analytes

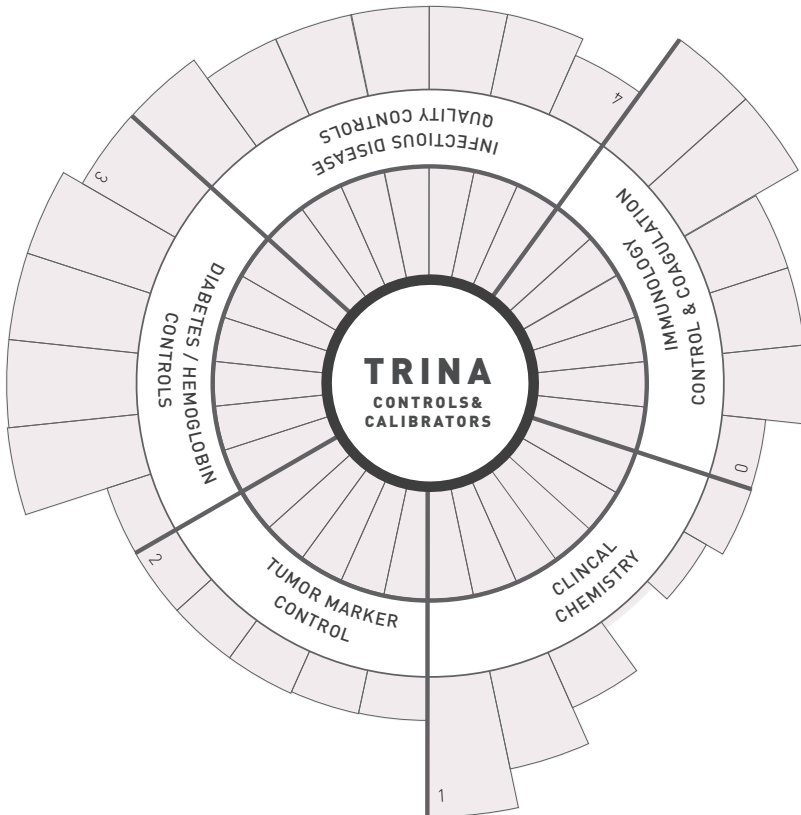
- Toxoplasma gondii IgM
- Rubella Virus IgM
- Cytomegalovirus (CMV) IgM
- Herpes Simplex Virus Type 1 (HSV-1) IgM
- Herpes Simplex Virus Type 2 (HSV-2) IgM

- Open vial: 90 days at +2 ~ +8°C
- Closed vial: 3 years at +2 ~ +8°C



## 1.9 Zika / Dengue Control

Positive & negative controls for Zika IgM/IgG, Dengue IgG & IgM.  
Manufactured from true human positive material.







Your Swiss reference partner  
for IVD and Pharma customized  
bulk materials.

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