

TRINA



CONTROLS & CALIBRATORS

IMMUNOLOGY
CONTROL &
COAGULATION

Immunology Control & Coagulation

Human Serum based controls designed to monitor the precision of proteins and other analyte test methods, including markers for allergy and autoimmune diseases.

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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.

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↓
controller level process

1. Human Plasma / Serum

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

2. Processed Plasma

- | | |
|--|---|
| <ul style="list-style-type: none">• Filter Method• Buffer• Antimicrobial / Antifungal Agents• Proprietary Stabilization• Heat treatments | <ul style="list-style-type: none">• Processing Method• Defibrination• Delipidation• Dialyse• Level adjustment |
|--|---|

3. Controls / Calibration / Proficiency testing / Panels

- | | | |
|---|--|---|
| <ul style="list-style-type: none">• Natural Enzyme immobilization• Protease Inhibitors | <ul style="list-style-type: none">• Stability Data• Vial Selection• Additives / Antioxidants | <ul style="list-style-type: none">• Additives for Lyophilization / Liquid Stability• Cryoprotectants |
|---|--|---|

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1.1 Immunology Control

Available as liquid or lyophilized. Levels and analytes can be adapted for customer's requirements.

Analyte	Units			
		Level 1	Level 2	Level 3
Albumin	mg/dL	2.4	4.2	5.5
Alpha-1-Acid Glycoprotein	mg/dL	40	80	110
Alpha-1-Antitrypsin	mg/dL	75	127	172
Alpha-2-Macroglobulin	mg/dL	100	290	452
Anti-Cyclic Citrullinated		< 1	20	50
Antistreptolysin O	IU/mL	90	160	330
Apolipoprotein A-1	mg/dL	80	180	300
Apolipoprotein B	mg/dL	40	100	175
Beta-2-Microglobulin	ng/mL	0.075	0.200	0.300
C1 Inhibitor	mg/dL	15	35	60
Ceruloplasmin	mg/dL	16	34	50
Complement C3	mg/dL	80	180	280
Complement C4	mg/dL	15	35	55
CRP	mg/dL	0.5	2.5	5
Ferritin	ng/mL	27.5	134	226
Haptoglobin	mg/dL	65	150	250
IgA	mg/dL	110	250	375
IgE	IU/mL	50	100	180
IgG	mg/dL	700	1400	2000
IgM	mg/dL	55	135	215
Kappa Light Chain	mg/dL	150	330	500
Lambda Light Chain	mg/dL	80	180	250
Lipoprotein (a)	mg/dL	5	15	22
Prealbumin	mg/dL	12	24	35
Protein (Total)	g/dL	3.8	7	9.5
Rheumatoid Factor	IU/mL	< 20	35	80
Transferrin	mg/dL	150	300	400

1.2 ASO/RF/CRP control

Analyte	Unit	Level 1	Level 2	Calibrator
ASO	IU/mL	250	450	550
RF	IU/mL	175	350	750
CRP	mg/L	25	90	380

1.3 Autoimmune Control I

Analyte	Unit	Range
ANA	AU/mL	100±30
dsDNA IgG	AU/mL	60±20
SS-A IgG	AU/mL	60±20
SS-B IgG	AU/mL	60±20
Sm IgG	AU/mL	60±20
RNP70 IgG	AU/mL	60±20
Jo-1 IgG	AU/mL	60±20
Scl-70 IgG	AU/mL	60±20
RF IgG	AU/mL	100±30
RF IgM	IU/mL	100±30
RF	AU/mL	100±30
Anti-CCP	U/mL	50±15
RA33 IgG	AU/mL	60±20

1.4 Autoimmun Control II

Analyte	Unit	Range
Cardiolipin IgG	GPLU/mL	50±15
Cardiolipin IgM	MPLU/mL	50±15
Anti-Cardiolipin	AU/mL	60±20
β2-Glycoprotein I IgG	AU/mL	60±20
Anti-β2-Glycoprotein I	AU/mL	60±20
AMA-M2	AU/mL	60±20
SMA IgG	COI	3±1
MPO IgG	AU/mL	60±20
Proteinase 3 IgG	AU/mL	60±20
GBM IgG	AU/mL	60±20

1.5 Coagulation Control, lyophilized

Analyte	Units	Level 1	Level 2	Level 3
Prothrombin Time	Seconds	10	20	30
Activ. Part. Thromboplastin Time	Seconds	24	45	60
Antithrombin III	%	110	60	40
Fibrinogen	mg/dL	300	125	80
Thrombin Time	Seconds	20	30	40

1.6 Coagulation Control Factor specific, lyophilized

Analyte	Units	Level 1	Level 2
APTT	Seconds	35	48
PT	%	120	40
Fbg	mg/dL	315	200
ATIII	%	100	80
Factor II	%	100	80
Factor X	%	100	80



Your Swiss reference partner
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bulk materials.

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