

TOP CHECK 2 - توب تشيك 2

TOP CHECK 2 is a semi-automated photo-optical coagulation and turbidity measurement system. It's designed to perform clotting and turbidimetric assays.

It has auto-start function in all programs initiated with sample addition. All advantages are put in a unique maintenance free design.



TOP CHECK 2

Principle of operation :

When specimen is put into optic well, the optical system measures its optical absorbance and the rate of change during the test interval, then data is processed by the computation unit with a presaved routine to generate the results that are finally shown on LCD.

Measurement Methods :

- 1- Coagulation (Time % INR Ratio Conc.)
- 2- Single standard fixed rate (Δ Abs. Conc.)
- 3- Multi-standard fixed rate (Δ Abs. Conc.)

Measurable Tests :

- PT PTT TT FIB. Factors Lupus A.
- D.Dimer Ferritin HbA1c CRP ASO RF.
- Syst.C IgA IgE IgG IgM C3 C4 Vit.D.
- C.Trop. μ ALB. Lipo P. C.Plasmin Hapto G.

Software :

- Easy test selection (TEST Btn)
- Easy calibration (PG, Up, Dn, Enter Btms)
- Auto Start function (RESET Btn)
- Timer and manual Start (START Btn)
- Useful test summery help is shown on LCD second line, eg. [50u Rgnt + 25u S]

Incubation :

All wells are electronically thermostated to 37.1°C.

- 6 wells for samples incubation.
- 2 wells for reagent / tube incubation.

Minimum sample volume :

- 75 μ L (25+50) minimum test volume.

Test List (TOP CHECK 2 - ver 2.12)

No.	Test Name	Reagents & Procedure									T.min		T.max		Test Method	Default values		
		Rgnt	Smpl	R1	R2	Sample	R1	Sample	R2	Delay	Fixed.T	Normal	STD.	Factor				
1	PT	50	25								6	300	Coag.	12.9	ISI=1.5			
2	PTT						25	25	25	6	300	32						
3	TT	50	50							6	300	15						
4	FIB.	25	50							6	300	200-400		MTSD				
5	FAC	50	25							6	300	MTSD						
6	Lupus A.						25	25	25	6	300	42						
7	D.Dimer						45	10	15	40	150	< 0.5	3.65 /2	10.5				
8	Ferritin			80	20	10				20	150	525	1600					
9	HbA1c						75	5	25	20	150	< 80	265	750				
10	CRP			100	25	5				20	120	< 6	63 /2	100				
11	ASO			100	25	5				20	120		1000					
12	Rhum.F.			100	25	5				20	150		250					
13	Syst.C			100	20	5				20	150		16					
14	IgA	100	5							20	150		1000					
15	IgE			75	25	10				20	150		500					
16	IgG	100	5							20	150		4000					
17	IgM	100	10							20	150		750					
18	C3	100	5							20	150		600					
19	C4	100	5							20	150		160					
20	Vit.D						80	5	20	20	150	20-40	50	160				
21	C.Troponin						75	10	25	20	150		50					
22	Micro ALB.						80	5	15	20	150		400					
23	Lipo P.			100	15	5				20	150		1600					
24	C.Plsmn						100	5	15	20	150		160					
25	Hapto G.						100	5	15	20	150		800					
26	FIB. FxT						100	5	15	20	150	200-400	300	100				
27	Multi.STD 1									20	240		MTSD					
28	Multi.STD 2									20	240	3 points	MTSD					
29	Multi.STD 3									20	300	Multi	MTSD					
30	Multi.STD 4									20	300	STD.	MTSD					