ımpiran 1
atistc
ew dat a

ıse	CFU	Bulan	TL	CLOOT	LOGCLOT	FIBER	LOGFIBER
1.	0.0000	1.0000	2990.0	18.600	1.2695	109.38	2.0389
2.	0.0000	1.0000	3770.0	20.660	1.3151	100.35	2.0015
3.	0.0000	1.0000	6370.0	23.970	1.3797	88.843	1.9586
4.	0.0000	1.0000	2600.0	37.940	1.5791	60.977	1.7852
5.	0.0000	1.0000	6370.0	35.410	1.5491	64.526	1.8097
6.	0.0000	1.0000	14820.0	31.430	1.4973	71.150	1.8522
7.	0.0000	1.0000	3250.0	7.36000	1.6440	53.942	1.7319
8.	9.0000	1.0000	4810.0	10.190	1.1411	139.36	2.1442
9.	9.0000	1.0000	23400.0	13.750	0.8669	233.86	2.3690
10.	9.0000	1.0000	11400.0	12.910	1.0082	179.12	2.2531
11.	9.0000	1.0000	10140.0	15.090	1.1383	140.11	2.1465
12.	9.0000	1.0000	18330.0	16.410	1.1109	147.54	2.1689
13.	9.0000	1.0000	23270.0	19.060	1.1787	129.83	2.1134
14.	9.0000	1.0000	14300.0	14.820	1.2151	121.20	2.0835
15.	10.0000	1.0000	3380.0	23.030	1.2801	107.21	2.0302
16.	10.0000	1.0000	17810.0	19.190	1.1708	131.76	2.1198
17.	10.0000	1.0000	6760.0	16.220	1.3623	91.807	1.9629
18.	10.0000	1.0000	15600.0	21.940	1.2831	106.61	2.0278
19.	10.0000	1.0000	14300.0	19.130	1.2101	122.37	2.0877
20.	10.0000	1.0000	18590.0	17.340	1.3412	95.529	1.9801
21.	10.0000	1.0000	31330.0	23.900	1.2817	106.89	2.0289
22.	0.0000	2.0000	1560.0	35.970	1.2390	115.85	1.9497
23.	0.0000	2.0000	6630.0	17.030	1.3784	89.058	1.8041
24.	0.0000	2.0000	5850.0	14.970	1.5559	63.701	2.0703
25.	0.0000	2.0000	6240.0	16.160	1.2312	117.58	2.1162
26.	0.0000	2.0000	11570.0	20.060	1.1752	130.68	2.0890
27.	0.0000	2.0000	11050.0	11.430	1.2084	122.74	2.0120
28.	0.0000	2.0000	5460.0	12.570	1.3023	102.81	2.2123
29.	9.0000	2.0000	4290.0	16.840	1.0580	163.03	2.1784
30.	9.0000	2.0000	3900.0	11.090	1.0993	150.80	2.0743
31.	9.0000	2.0000	20540.0	16.840	1.2263	118.66	2.2230
32.	9.0000	2.0000	20930.0	21.0960	1.0449	167.11	2.2148
33.	9.0000	2.0000	11570.0	11.350	1.0550	163.97	2.2148
34.	9.0000	2.0000	4030.0	8.08000	0.9079	216.42	2.3353
35.	9.0000	2.0000	3770.0	8.08000	0.9079	216.42	2.3353
36.	10.0000	2.0000	1950.0	10.940	1.0390	168.99	2.2279
37.	10.0000	2.0000	13260.0	13.500	1.1303	142.23	2.1530
38.	10.0000	2.0000	9750.0	10.590	1.0249	173.55	2.2394
39.	10.0000	2.0000	8840.0	10.870	1.0362	169.88	2.2301
40.	10.0000	2.0000	17030.0	7.5700	0.8791	228.53	2.3589
41.	10.0000	2.0000	11570.0	13.000	1.1139	146.70	2.1664
42.	10.0000	2.0000	22230.0	6.8700	0.8370	247.44	2.3935

ampiran 2
tatistic 4.0
NALISIS OF FARIANCE TABLE FOR TL

OURCE	DF	SS	MS	F	P
FU (A)	2	4.412E+08	2.206E+08	3.86	0.0404
LANGAN B					
*B	18	1.030E+09	5.722E+07		0.1696
ULAN	1	6.324E+07	6.342E+07	2.05	0.3184
*C	2	7.562E+07	3.781E+07	1.22	
*B*C	18	5.576E+08	3.098E+07		
OTAL	41	2.168E+09			
RAND AVERAGE	1	4.943E+09			

TATSISTIK 0.4
SD (T) PAIRWISECOMPARISIONS OF MEALS OF TL BY CFU

FU	MEAN	HOMEGENEOUS GROUP
0	1.37E+04	1
	1.25E+04	1
	6323.6	1

HERE ARE 2 GROUPS IN WHICH THE MEANS ARE
OT SIGNIFICANLY DIFFERENT FROM ONE ANOTHET

RITICAL T VALUE	2.101	REJECTION LEVEL	0.050
RITICAL VALUE FOR COMPARISON	6006.6		
TANDART ERROR FOR OMPARISON	2859.1		

RROR TERM USED: CFU*ULANGAN, 18 DF

TATISTIK
SD (T) PAIRWISE COMPORISONE OF MEANS OF TL BY BULAN

ULAN	MEAN	HOMEGENEOUS GROUP
	1.21E+04	1
	9620.0	1

HERE NOY SIGNIFICANT PAIRWISE DIFFERENCES AMONG THE MENAS

RITICAL VALUE	2.101 REJECTION LEVEL	0.050
RITICAL VALUE FOR COMPARATION	3608.7	
TANDART ERROR FOR COMPARATION	1717.7	

RROR TERM USED : CFU* ULANGAN *BULAN , 18DF

LANJUTAN LAMPIRAN 2
STATISTIC 4.0
Grean mean 1.06E+04
MEAN OF TL FOR CFU

CFU	MEAN	SS (MEAN)
0	1.37E+04	7.76E+08
9	1.25E+04	7.64E+08
0	6323.6	1.87E+08

OBSERVATION PERCELL 21
STD ERROR OF AN AVARAGE 1214.6
STD ERROR (DIFF OF AVE"S) 17171.7
ERROR TERM USED: CFU*ULANGAN* BULAN. 18DF

STATISTIK 4.0
GRAND MEAN 1.08E+04

MEAN OF TL FOR CFU*BULAN

CFU	BULAN	MEAN	SS (MEANS)
0	1	5733.6	1.11E+08
0	2	6908.6	7.12E+07
9	1	1.51E+04	2.91E+08
9	2	9861.4	3.77E+08
10	1	1.54E+04	4.90E+08
10	2	1.21E+04	2.228E+08

OBSERVATION PERCELL 7
STD ERROR OF AN AVARAGE 2103.7
ERROR TERM USED: CFU*ULANGAN*BULAN.18DF

ANJUTAN LAMPIRAN 2
TATISTIK 4.0
OLYNOMINAL CONTRASTS OF TL BY CFU

EGGRE	SS	F	P
)	14.391E+08	17.67	0.0126
	22.087E+06	0.04	0.8507

RROR TERM USED : CFU* ULANGAN *BULAN, 18DF

TATISTIK 4.0
NWIGH TED LEAST SQUERES LINEAR REGRESSION OF TL

REDICOR ARIABEL	COEFICIENT	STD ERROR	STUDENT ST	P
ONSTANT	6294.95	1752.14	3.59	0.0009
FU	719.031	225.574	3.19	0.0028

-SQUARRED	0.2060	RESID MEAN SQUARE (MSE)	4.322E+07
DJUSTED R-SQUARED	0.1826	STANDART DEVIATION	6573.99

OURCE	DF	SS	MS	F	P
EGRETION	1	4.391E+08	4.391E+08	10.16	0.0028
ESIDUAL	40	1.729E+09	4.322E+07		
OTAL	41	2.168E+09			

ASED INCLUDED 42 MISSING CASES 0

AMPIRAN 3

TATISTIK 4.0
NALYSIS OF VARIANCE TABLE FOR FIBRINOGEN

OURCE	DF	SS	MS	F	P
FU	2	38394.2	1919.7	32.97	0.0000
ALAT-1	18	10481.1	582.201		
ULAN	1	15767.3	15767.3	12.47	0.0024
I X BULAN	2	6649.21	3324.60	2.63	0.0996
ALAT 2	18	22764.2	12.6468		
OTAL	41	94056.0			

TATISTIK 4.0
SD (T) PAIR WISESE COMPORATION OF MEAN OF FIBRR BY CFU

FU	MEAN	HIMOPGENOUS GROUP
0^{10}	163.39	.
0^{9}	145.68	.
	92.256	..

HERE ARE TWO GROUP IN WHICH THE MEANS ARE
OT SIGNIFICANTLY DIFFERENT FROM ONE ANOTHER

RITICAL VALUE	2.101
RITICAL VALUE FOR COMPARATION	19.16
TANDART ERROR FOR COMPORATION	9.1206
EJECTION LEVEL	0.05

RROR TERM USED : CFU*ULANGAN, 18DF

ANJUTAN LAMPIRAN 3

TATISTIK 4.0

SD (T) PAIR WISE COMPARISON OF MEANS OF RIBRR BY BULAN

ULAN	MEAN	HEMOGENOUS GROUPS
	153.15	.
	114.40	..

LL 2 MEANS ARE SIGNIFICANTLY DIFFERENT FROM ONE OTHER

RITICAL VALUE	2.101
RITICAL VALUE FOR COMPARATION	23.057
TANDART ERROR FOR COMPORATION	10.975
EJECTION LEVEL	0.05

RROR TERM USED : CFU*ULANGAN, 18DF

LANJUTAN LAMPIRAN 3

STATISTIK 4.0
GRAND MEAN 133.77

MEANS OF FIBR FOR CFU

CFU	MEAN	SS (MEAN)
10	145.68	8571.4
9	1163.39	1.73E+04
0	92.256	2.98E+04

OBSERVATION PERCELL 14
STD ERROR OF AN AVARAGE 6.4491
STD ERROR (DIFF OF AVE"S) 9.1205
ERROR TERM USED: CFU*ULANGAN* BULAN. 18DF

STATISTIK 4.0
GRAND MEAN 133.77

MEANS OF FIBR FOR CFU

BULAN	MEAN	SS (MEAN)
1	114.40	3.43E+04
2	153.15	4.40E+04

OBSERVATION PERCELL 21
STD ERROR OF AN AVARAGE 7.7603
STD ERROR (DIFF OF AVE"S) 10.975
ERROR TERM USED: CFU*ULANGAN* BULAN. 18DF

STATISTIK 4.0
GRAND MEAN 133.77

MEANS OF FIBR FOR CFU *BULAN

CFU	BULAN	MEAN	SS (MEAN)
10	2	182.48	9661.0
10	1	108.88	1187.2
9	2	170.91	7400.4
9	1	155.86	9092.6
0	2	106.06	3206.7
0	1	78.453	2697.4

OBSERVATION PERCELL 7
STD ERROR OF AN AVARAGE 13.441
ERROR TERM USED: CFU*ULANGAN* BULAN. 18DF

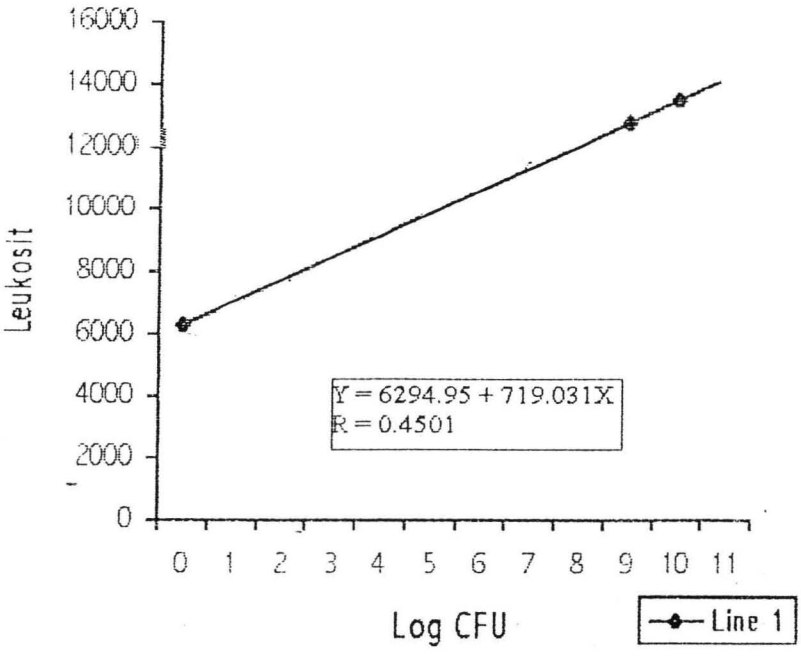
LAMPIRAN 4

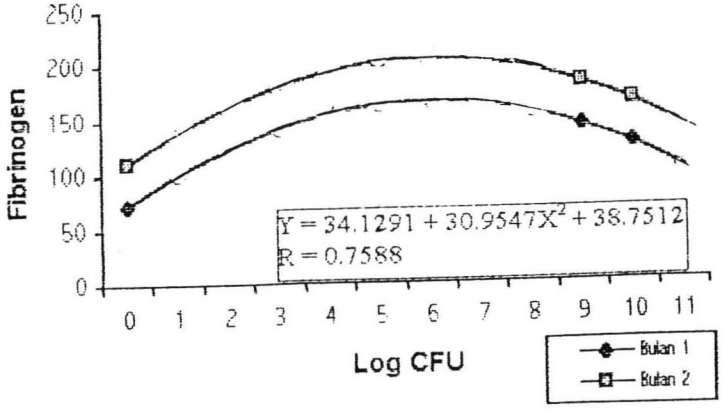
Leukosit

	0	1	2	3	4	5	6	7	8	9	10	11
Leukosit	6294.95	7013.98	7733.01	8452.04	9171.07	9890.11	10609.14	11328.17	12047.20	12766.23	13485.26	14204.29

Fibrinogen

	0	1	2	3	4	5	6	7	8	9	10	11
Bulan 1	72.88	101.27	124.54	142.69	155.72	163.62	166.40	164.06	156.60	144.01	126.30	103.47
Bulan 2	111.63	140.02	163.30	181.44	194.47	202.36	205.37	202.81	195.35	182.76	165.05	142.22


16000
14000
12000
10000
8000
6000
4000
2000
0
Leukosit
Y = 6294.95 + 719.031X
R = 0.4501
0 1 2 3 4 5 6 7 8 9 10 11
Log CFU
Line 1


250
200
150
100
50
0
Fibrinogen
Y = 34.1291 + 30.9547X² + 38.7512
R = 0.7588
0 1 2 3 4 5 6 7 8 9 10 11
Log CFU
Bulan 1
Bulan 2

briquik®

Lampiran 6

in vitro diagnostic use.

re unopened vials between 2-8°C.

ENDED USE

iquik® is for the quantitative determination of fibrinogen in an plasma.

THODOLOGICAL PRINCIPLE

anon Teknika Fibriquik is based on a method described by ss.[5] When thrombin is added to a sample of plasma, nogen is converted enzymatically to fibrin. Fibrin, in turn, ergoes polymerization to form a fibrin network. Factor XIII, ated by thrombin, catalyzes the formation of stabilizing cross to produce a visible clot. The elapsed time, from addition of mbin to the formation of a clot is inversely proportional to nogen level.

GENTS

erials provided

mbin Reagent – 1.0 (3.0) ml size

ains: Approximately 100 NIH Units/ml Bovine Thrombin, with lizers and buffer.

nstitute with 1.0 (3.0) ml of purified water and mix gently. in the original (tightly-capped) vial at 2-8°C for not more than s. Record the expiration date on the vial.

nogen Calibration Reference – 1.0 ml size

ains: Lyophilized, human plasma, stabilizers, and buffer.

nstitute with 1.0 ml of purified water, allow to stand 30 tes and then mix gently. Store in the original (tightly-capped) t 2-8°C for not more than 24 hours. Record the expiration date e vial label.

e: This product includes materials that have been prepared from human plasma or serum which have been tested using FDA-licensed methods and found to be nonreactive for HIV-1, HIV-2, and HCV antibodies and for Hepatitis B Surface Antigen (HBsAg). However, as no test method can offer complete assurance that infectious agents are absent, all specimens of human origin should be considered potentially infectious and handled with care.

n's Veronal Buffer – 25 ml size

ins: Sodium Barbital, 0.028 M; pH 7.35 (no preservatives).

y for use. Store in the original (tightly-capped) vial at Discard if turbid.

rials not provided

oagulant – Use commercial collection tubes containing m citrate at 3.8% or dissolve 3.8 g of trisodium citrate rate in 100 ml purified water.

IMEN COLLECTION AND PRESERVATION

ine parts freshly drawn blood to one part anticoagulant ned in a clean glass or plastic tube and mix thoroughly. Store °C or in crushed ice. Centrifuge and remove plasma from efore testing. Complete testing within four hours of sample ion.

ARATION OF CALIBRATION CURVE

re serial dilutions of Fibrinogen Calibration Reference in 's Veronal Buffer as follows:

e No.	2 Dilute	3 with * ml of buffer	4 Fibrinogen conc. (vial label)	5 Dilution Factor	6 Fibrinogen (mg/dl)
	0.5 ml Ref. Plasma	* 2.0	_____	x 2.00 =	_____
	1.0 ml Dilution 1	* 1.0	_____	x 1.00 =	_____
	1.0 ml Dilution 2	* 1.0	_____	x 0.50 =	_____
	1.0 ml Dilution 3	* 1.0	_____	x 0.25 =	_____

he fibrinogen value (mg/dl) from the Fibrinogen Calibration nce vial label in Column 4. Multiply this value by the Dilution in Column 5 and enter the product in Column 6. Test each above dilutions according to the "Test method" (see below) icate. Using 2×2 cycle logarithmic graph, plot clot time in ds on the Y (vertical) axis versus the fibrinogen concentration n 6 above) on the X (horizontal) axis. Draw the best fitting ough the data points.

ROL MATERIALS

trol material such as Organon Teknika Verify® 1 is mended for monitoring the Quantitative Fibrinogen Assay . Use according to package insert directions.

METHOD

gh most manual or instrumental methods for clot detection used with Fibriquik, different methods may detect slightly t endpoints. Caution must be used when comparing results fferent methods. Calibration and test measurements must ormed according to the same method.

l a test tube for each sample to be tested. (Duplicate ples are recommended.)

w Thrombin Reagent to warm to room temperature 5°C) directly before use.

are a 1:10 dilution of each patient and control sample to sted (0.1 ml of the sample +0.9 ml of Owren's Veronal er).

0.2 ml of a sample dilution to an appropriate tube or sample and warm to 37°C for at least 2 minutes before testing.

ase 0.1 ml of Fibriquik Thrombin Reagent into the 0.2 ml ma dilution in each tube; simultaneously begin timing t detection.

the time required for clot detection to 0.1 second.

plate fibrinogen concentration from calibration

PROCEDURE

Use of clean glass or plastic ware is important. Consider surface and surface area may affect activation of samples. Consistency is recommended for all coagulation procedures.

If the clotting time indicates a very low level of fibrinogen, use a 1:5 or 1:2 dilution rather than the 1:10 dilution suggested in Step 3 above. Divide the interpolated value by 2 or 5 respectively to correct for the lesser dilution.

If the clotting time indicates a very high level of fibrinogen, use a 1:20 dilution rather than the 1:10 dilution suggested in Step 3 above. Multiply the interpolated value by 2 to correct for the greater dilution.

EXPECTED RESULTS

Specific normal ranges for Fibrinogen should be established by each laboratory. As a guide for the user, plasma from 177 normal persons, ages 18 to 60, were assayed on a semi-automated, clot detection instrument (Fibrometer®). The result was a normal range of 146-380 mg/dl (mean ± two sigma). No significant difference was noted between males and females.

PERFORMANCE CHARACTERISTICS

Accuracy and precision

The fibrinogen in twenty-five samples of normal human plasma (162-400 mg/dl) was determined by the quantitative Biuret[4] method and also by the Fibriquik method. A regression analysis resulted in the relationship y = 1.13x + 0.84 with a correlation coefficient of 0.972 demonstrating good correlation with a positive bias for the Fibriquik method. (y = Fibriquik, x = Biuret)

Replicate determinations indicated within laboratory and between laboratory coefficients of variation each of about 3% (ten replicate determinations and then duplicate determinations on each of fifteen days respectively).

Interfering substances

Plasma samples which are hemolyzed, icteric, or lipemic will usually not interfere with the Fibriquik procedure. However, results should be evaluated carefully when testing these samples on photo-optical instruments.

Results obtained with Fibriquik may be affected by the presence of heparin[7] or fibrinolytic degradation product (FDP).[7,8,9] Falsely low results may be obtained if the heparin concentration is greater than 0.6 u/ml and/or FDP levels exceed 100 µg/ml. Also in cases of dysfibrinogenemia, fibrinogen values for clotting tests will be lower than those values obtained with immunological tests for fibrinogen.[10]

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AVAILABILITY

Organon Teknika

Fibriquik®

Product number 35529	Fibriquik® Kit
Contains: 6 vials/1 ml	Thrombin Reagent
1 vial/1 ml	Fibrinogen Calibration Reference
2 vials/25 ml	Owren's Veronal Buffer
Product number 35531	Thrombin Reagent
Contains: 10 vials/3 ml	
Product number 35530	Fibrinogen Calibration Reference
Contains: 10 vials/1 ml	
Product number 35532	Owren's Veronal Buffer
Contains: 4 vials/25 ml	

For technical assistance, contact Organon Teknika Technical Services at 1-800-682-2666.

Organon Teknika Corporation
Box 15969 Durham, North Carolina 27704-0969

June 1999

Fibriquik®

FRANÇAIS

Détermination quantitative du Fibrinogène dans le plasma humain.

Pour diagnostic *in vitro*.

Conserver les flacons scellés entre 2 et 8°C.

PRINCIPE DE LA MÉTHODE

Le Fibriquik® d'Organon Teknika est basé sur la méthode décrite par Clauss.[5] Quand la thrombine est ajoutée au plasma, le fibrinogène est transformé enzymatiquement en fibrine. La fibrine subit ensuite une polymérisation et forme une trame de fibrine. Le Facteur XIII activé par la thrombine, catalyse la formation de liaisons croisées stabilisantes et forme un caillot visible. Après l'addition de thrombi[illegible] le temps requis pour la formation du caillot est inversement proportionnel à la concentration de fibrinogène.

RÉACTIFS

Réactifs fournis

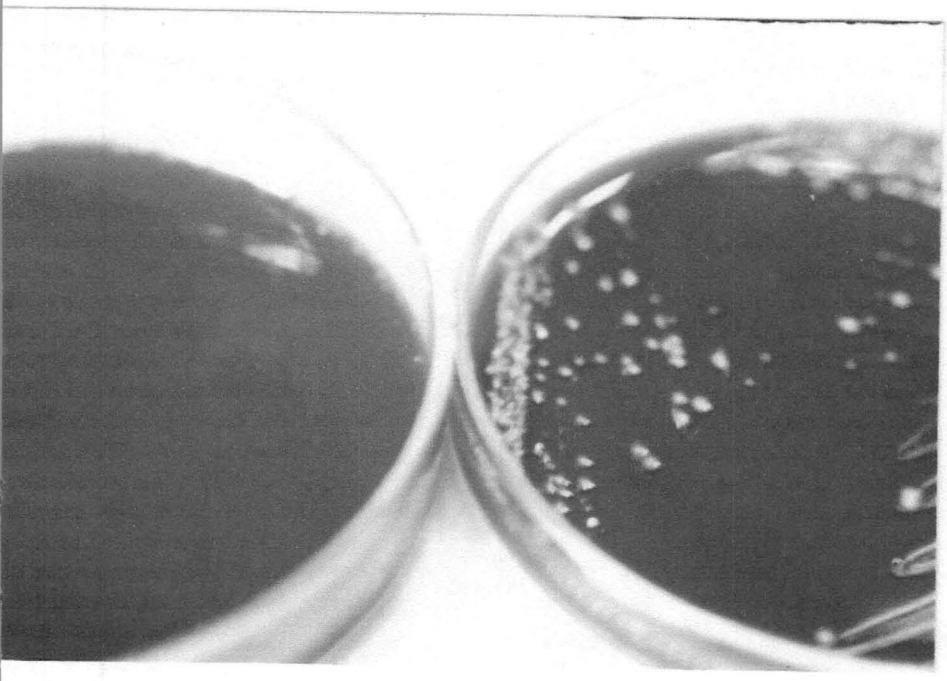
Réactif de Thrombine – flacons de 1,0 ou 3,0 ml

Contient: Environ 100 unités NIH/ml de thrombine bovine avec stabilisants et tampon.

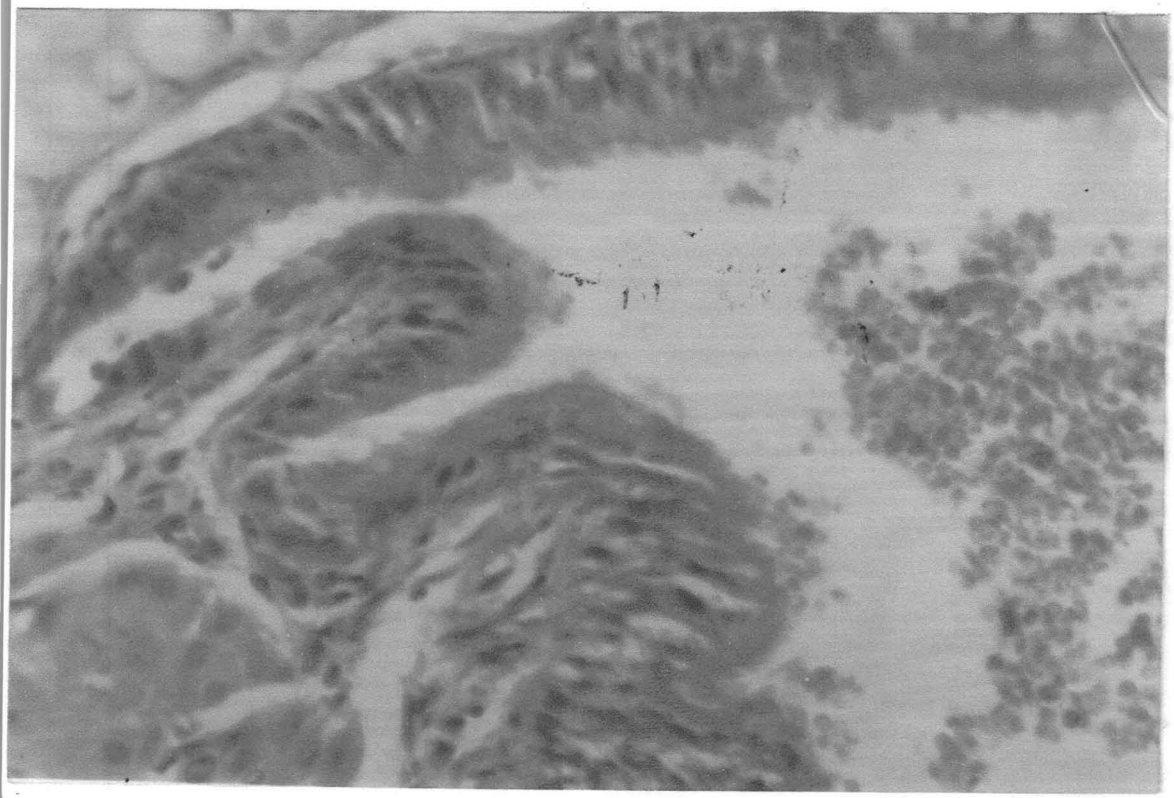
Gambar 3

Pemeriksaan fibrinogen yang ditandai adanya gumpalan pada tabung reaksi

Koloni Kuman *Helicobacter pylori Cag A+*



Ga,mbar 5.1
Hasil Pemeriksaan Histologi Aorta Mencit Balb/C
Tanpa Infeksi *Helicobacter pylori Cag A+*



Gambar 5.2

Hasil Pemeriksaan Histologi Aorta Mencit Balb/C dengan Infeksi *Helicobacter Pylori Cag A+* yang ditemukan adanya sel radang