
AK-CALIBRANT

Calibration set for monitoring oral anticoagulation therapy

INR-Standardization according to the latest CLSI und SSC* guidelines

- Generation of INR reference curves and direct INR determination
- Determination of the laboratory specific ISI-values and MNPT
- Generation of reference curves in percentage of norm
- Computer assisted generation of lot specific INR-tables



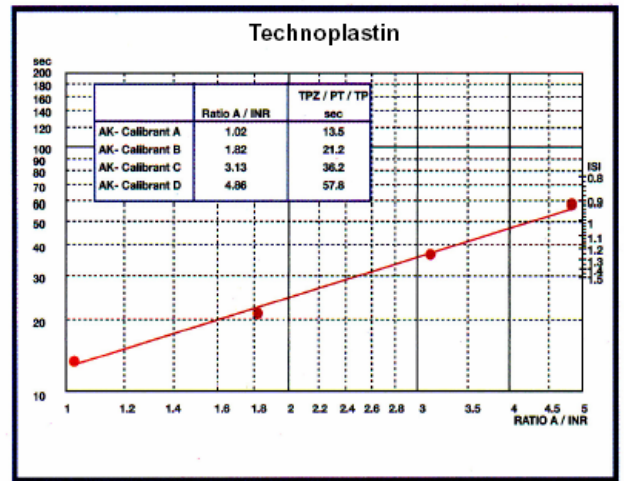
The calibration set contains 4 calibration plasmas for PT standardization. The AK-Calibrant A is a lyophilized normal plasma pool, which is produced from the selected citrated plasmas of at least 100 blood samples of healthy donors. AK-Calibrant B, C, and D are produced exclusively from the plasma of donors receiving long-term oral anticoagulation therapy. Therefore the prothrombin complex factors II, VII, IX, X, Protein C and Protein S are present at levels normally expected in plasma from patients receiving oral anticoagulant treatment, along with the proteins induced during vitamin K absence (PIVKA inhibitors).

AK-Calibrant A	lyophilized normal plasma, INR about 1.0
AK-Calibrant B	lyophilized AK-Plasma, INR about 2.0
AK-Calibrant C	lyophilized AK-Plasma, INR about 3.0
AK-Calibrant D	lyophilized AK-Plasma, INR about 4.0

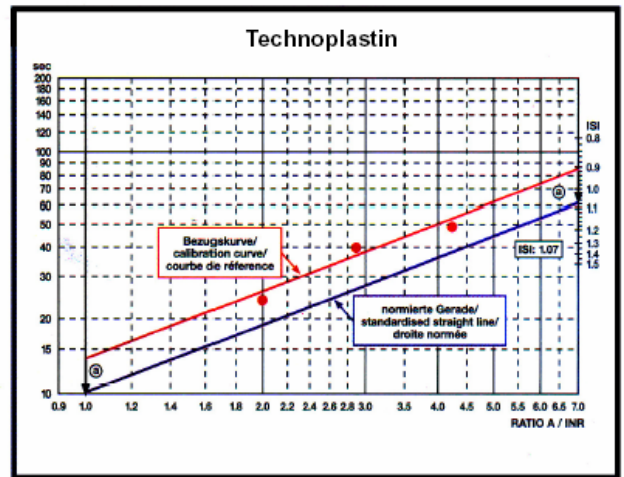
* Guidelines on the preparation, certification and use of certified plasmas for ISI calibration and INR determination, Journal of Thrombosis and Haemostasis, 2004, 2:1946-1653

Pat. sec	INR	%
13.0	0.81	108.0
13.5	0.85	102.3
14.0	0.89	97.1
14.5	0.93	92.5
15.0	0.97	88.3
15.5	1.01	84.4
16.0	1.06	80.9
16.5	1.10	77.6
17.0	1.14	74.6
17.5	1.19	71.9
18.0	1.23	69.3
18.5	1.28	66.9
19.0	1.32	64.6
19.5	1.37	62.6
20.0	1.41	60.6
20.5	1.46	58.8
21.0	1.51	57.0
21.5	1.55	55.4
22.0	1.60	53.8
22.5	1.65	52.4
23.0	1.70	51.0
23.5	1.74	49.7
24.0	1.79	48.4
24.5	1.84	47.3
25.0	1.89	46.1
25.5	1.94	45.1
26.0	1.99	44.0
26.5	2.04	43.1
27.0	2.09	42.1
27.5	2.14	41.2
28.0	2.19	40.4
28.5	2.24	39.5
29.0	2.29	38.7
29.5	2.34	38.0
30.0	2.40	37.2
30.5	2.45	36.5

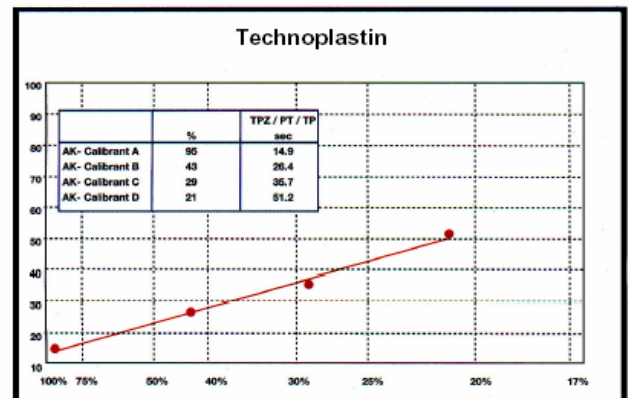
Pat. sec	INR	%
31.0	2.50	35.9
32.0	2.61	34.6
33.0	2.71	33.4
34.0	2.82	32.3
35.0	2.93	31.2
36.0	3.04	30.2
37.0	3.15	29.3
38.0	3.26	28.5
39.0	3.37	27.7
40.0	3.49	26.9
41.0	3.60	26.2
42.0	3.71	25.5
43.0	3.83	24.8
44.0	3.95	24.2
45.0	4.06	23.6
46.0	4.18	23.0
47.0	4.30	22.5
48.0	4.42	22.0
49.0	4.54	21.5
50.0	4.66	21.0
51.0	4.78	20.6
52.0	4.90	20.2
53.0	5.03	19.7
54.0	5.15	19.3
55.0	5.28	19.0
56.0	5.40	18.6
57.0	5.53	18.3
58.0	5.65	17.9
59.0	5.78	17.6
60.0	5.91	17.3
61.0	6.04	17.0
62.0	6.17	16.7
63.0	6.30	16.4
64.0	6.43	16.1
65.0	6.56	15.9
66.0	6.69	15.6



Generation of a INR reference curve for direct INR determination of patient samples



Determination of laboratory, instrument and reagent specific ISI values



Calibration curve in % of norm

Ordering information

REF 5010004 AK-Calibrant 4 x 1 mL