

SC-Database

Software version = 5.81 Data version = 4.62

Experiment list contains 78 experiments for

(no ligands specified)

2 metals : Te(IV), Te(not 4)

(no references specified)

(no experimental details specified)

e- HL Electron (442)

Electron;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	KCl	300°C	100%	U				1972BJb (956)	1
								B(3Te++ =Te++++ + Te2++)=1.3		

Medium: Molten (K,Al)Cl

Te(IV)	oth	none	25°C	0.0	U				1952LAb (957)	2
								K=34.6(1020 mV)		

K: Te(OH)6(s)+2H+2e=TeO2(s)+4H2O. K(TeO3+3H2O+4e=Te(s)+6OH)=-38.5(570 mV),
 K(Te(s)+2H+2e=H2T(g))=-25.0(-740 mV). K(Te(s)+2e=Te(II))=-38.6(-1140 mV)

Br-	HL	Bromide	CAS	10035-10-6	(19)
Bromide;					

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	oth/un	?	var	U				1970BMf (2327)	3
								B6=10.9		

Medium: H2SO4

Te(IV)	dis	NaClO4	25°C	3.0M	U	K1=0.97	B2=1.58	1967SNc (2328)	4
						B3=1.96			
						B4=2.15			
						B5=2.21			
						B6=2.13			

Te(IV)	sp	NaClO4		6.0M	U	I			1966RMa (2329)	5
								K5K6=3.55		

Medium: HClO4. K5K6=1.55(I=4)

Te(IV)	sp	non-aq	100%	U	I	K2=2.74		1965KSf (2330)	6
Medium:	MeCN.	K2=1.20	in DMF;	0.85	in DMSO				

Cl-	HL	Chloride	CAS	7647-01-0	(50)
Chloride;					

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
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Te(IV) sp oth/un 300°C 100% U 1974BBa (5773) 7
 K4=3.66 to 3.92
 K5=2.13 to 2.32
 K6=0.68 to 0.82

Medium: molten (K,Al)Cl, m units

 Te(IV) dis non-aq 25°C 100% U T 1972GOc (5774) 8
 K(HTeL6+H)=3.0

Medium: methylbutyl ketone. K=3.2(40 °C), 3.6(60 °C)

 Te(IV) sol NaClO4 18°C 0.50M U 1968NKb (5775) 9
 K(TeO0H+L)=0.5
 K(TeOL2+L)=-0.44
 K(TeOL3+L)=-0.77
 K(TeOL4+2H+2L)=-1.7

 Te(IV) sp oth/un ? 0.0 U 1968SHe (5776) 10
 K(TeO0HCl3+H+Cl)=-3.32
 K(TeOC14+2H)=-2.20
 K5=-1.83
 K6=-2.19

 Te(IV) dis oth/un 18°C 0.0 U 1968SHf (5777) 11
 Kd(TeCl4(H2O)2+2TBP)=0.01

TBP in C8H18. Products: 2H2O+TeCl4(TBP)2(org)

 Te(IV) dis NaClO4 25°C 7.0M U K1=3.24 B2=6.0 1968SNb (5778) 12
 B3=8.34
 B4=10.18
 B5=12.76
 B6=15.30

Medium: HClO4

 Te(IV) sp NaClO4 8.0M U I 1966RMa (5779) 13
 K5K6=1.55

Medium:HClO4. K5K6=0.25(I=6)

 Te(IV) dis oth/un 22°C var U 1965BPb (5780) 14
 Kd(TeO2H+3H+4Cl+3TBP)=-2.80

TBP in hexane

 Te(IV) sp non-aq 20°C 100% U I 1965KSe (5781) 15
 K5=0.77

Medium: DMSO. K5=0.7 in DMF, 1.62 in MeCN, 2.05 in MeNO2

F- HL Fluoride CAS 7644-39-3 (201)
 Fluoride;

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) oth oth/un ? var U 1974MMc (7232) 16
 $K(TeF_4OH + HF = TeF_5 + H_2O) = -0.4$

Medium: HF. Method: ir and Raman spectroscopy

I- HL Iodide CAS 10034-85-2 (20)
Iodide;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) sp oth/un 1.0M U 1966MUa (8385) 17
 $B_{6eff} = 7.4$ (1 M HCl)

NO3- HL Nitrate CAS 7697-37-2 (288)
Nitrate;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) ix mixed 20°C 3.00M U K1=0.28 B2=0.74 19820Ka (9936) 18
B3=1.28
B4=1.85
B5=2.48
B6=3.30

OH- HL Hydroxide (57)
Hydroxide;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) sp KCl 25°C 0.0 C 1991MIb (12227) 19
 $K(TeCl_6 = TeCl_4(OH) + HCl + Cl) = 4.58$
 $*K(TeCl_4(OH)) = 2.66$

Calculated from data for solutions in 2.5-10.0 M HCl.

$*K(TeCl_4(OH))$: $TeCl_4(OH) = TeCl_2(OH)_2 + HCl + Cl$. Also by ^{125}Te nmr.

Te(IV) sp KN03 28°C 0.10M U I K1=11.95 B2=23.52 1977NSa (12228) 20
B3=34.83
B4=45.85

S-- H2L Sulfide CAS 7783-06-4 (705)
Sulfide;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) EMF oth/un 18°C var U I K1=4.50 B2=8.21 1972GZa (14482) 21
K3=7.11
K4=3.97
K5=2.55
K6=2.00

Metal ion: TeO₃--. medium: Na₂TeO₃

Te(IV) sol oth/un ? var U 1963DGb (14483) 22
 Ks(TeS₂(s)+S)=7.61
 Ks(TeS₂(s)+2OH)=4.26
 K(TeS₂O+H)=8.7
 K(HTeS₂O+H)=10.5

S04-- H2L Sulfate CAS 7664-93-9 (15)
 Sulfate;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	ix	oth/un	22°C	3.00M	U			K1=2.81 B2=5.37 B3=7.67	1980N0a	(16582) 23

CH40 L Methyl alcohol CAS 67-56-1 (597)
 Methanol; CH₃.OH

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	EMF	alc/w	20°C	100%	U				1971GSa	(17905) 24

K(Te(H-1L)₃+H-1L)=8.3
 K(Te(H-1L)₄+H-1L)=4.64
 K(TeL'₄+TeL'₅=Te2L'₉)=2.11

Medium: MeOH, 1 M Me₄NCl. L'=H-1L (i.e. CH₃O)

C5H11NS2 HL CAS 147-84-2 (2126)
 Diethyldithiocarbamic acid; (CH₃.CH₂)₂N.CSSH

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	non-aq	?	100%	U	M			1968SRg	(41371) 25

K(Te(HA)₄+4HL=TeL₄+4H₂A)=5.5

Medium: CCl₄. H₂A=dithizone

C6H6N2O2 L o-Nitroaniline CAS 88-74-4 (463)
 2-Nitroaminobenzene; H₂N.C6H₄.NO₂

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	diox/w	25°C	100%	U				1975BSb	(43361) 26

K(TeCl₄+L)=1.22

C6H1007 HL Glucuronic acid CAS 6556-12-3 (599)
 D-Glucuronic acid;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.24	1987PLb	(48423) 27

C6H1207 HL Gluconic acid CAS 526-95-4 (904)

D-Gluconic acid, 2,3,4,5,6-Pentahydroxyhexanoic acid; HO.CH₂(CHOH)4.COOH

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=3.05 B2=3.90	1987PLb (49765)	28
C7H8N2O2		L						CAS 89-62-3 (466)		
2-Nitro-4-methylaminobenzene; CH ₃ .C ₆ H ₃ (NO ₂).NH ₂										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	diox/w	25°C	100%	U				1975BSb (55888)	29
								K(TeCl ₄ +L)=1.80		
C12H22O11		L	Turanose					CAS 547-25-1 (2701)		
3-O-D-Glucopyranosyl-D-fructose;										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.76	1987PLb (82867)	30
C12H22O11		L	alpha-Lactose					CAS 5989-81-1 (2486)		
4-D-Beta-D-Galactopyranosyl-alpha-D-glucose;										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.57	1987PLb (82876)	31
C12H22O11		L	Maltose					CAS 6363-53-7 (2705)		
4-O-alpha-D-Glucopyranosyl-D-glucose, Maltobiose;										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.33	1987PLb (82882)	32
C12H22O11		L	Cellobiose					CAS 528-50-7 (2697)		
4-O-beta-D-Glucopyranosyl-D-glucose;										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.37	1987PLb (82887)	33
C12H22O11		L	Melibiose					CAS 66009-10-7 (2699)		
6-O-D-Galactopyranose-D-glucose;										
Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.80	1987PLb (82891)	34
C12H22O11		L	Gentiobiose					CAS 554-91-6 (2698)		

6-O-D-Glucopyranosyl-D-glucose, Amygdalose;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.27	1987PLb (82894)	35

C12H22011 L Trehalose CAS 6138-23-4 (2700)
D-Glucopyranosyl-D-glucopyranoside;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.32	1987PLb (82902)	36

C12H22011 L Sucrose CAS 57-50-1 (2523)
beta-D-Fructofuranosyl-alpha-D-glucopyranoside; Saccharose;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=1.23	1987PLb (82913)	37

C12H24011 L Maltitol CAS 585-88-6 (2709)
4-O-alpha-D-Glucopyranosyl-D-glucitol;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=3.69	1988HLa (83684)	38

C12H24011 L Lactitol CAS 535-94-4 (2710)
4-O-beta-D-Galactopyranosyl-D-glucitol;

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	gl	KCl	25°C	0.10M	M			K1=3.40	1988HLa (83687)	39

C13H12N2S L diPh-thiourea CAS 102-08-9 (1075)
1,3-Diphenyl-2-thiourea; C6H5.NH.CS.NH.C6H5

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	oth/un	?	6.0M	U				1973MMC (85390)	40

K(TeBr₆+2HL)=7.64

Medium: 5-7 H₂SO₄, 0.2 NaBr.

C13H13N3S L CAS 1768-59-8 (4988)
1,4-Diphenylthiosemicarbazide; C6H5.NH.NH.CS.NH.C6H5

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(IV)	sp	non-aq	?	100%	U				1970MMi (85523)	41

K(TeBr₆+2HL)=3.9

Medium: benzene.

C28H15N04 L CAS 82-22-4 (3522)
1,1'-Iminodianthraquinone; (1,1'-dianthrimide)

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(IV) sp mixed ? 93% U 1968LNa (104656) 42
K(HTeO₂+HL)=2.36(?)

Medium: 93.2% H₂S04

Te(IV) sp oth/un 70°C 96% U 1959LSa (104657) 43
K(H₂TeO₃+HL=H₂TeO₂L(?))=3.95

Medium: 96.25% H₂S04

e- HL Electron (442)
Electron;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) EMF oth/un 25?°C var U 1964PAa (958) 44
K=-28.57, 845 mV
K: 2Te(s) + 2e = Te2--

Te(not 4) vlt oth/un 25°C var U 1963PAb (959) 45
K=-17.2, -510 mV
K(Te(s)+2e=Te--)=-32.1, -950mV
K(Te(s)+Te=Te2--)=3.5
K: Te(s) + 2H+ + 2e = H₂Te

F- HL Fluoride CAS 7644-39-3 (201)
Fluoride;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) sp non-aq 25°C 100% U 1971PEg (7233) 46
k(H+TeOF₅)=9.2

Medium: EtOH

Te(not 4) con non-aq 25°C 100% U 1971PEj (7234) 47
K(H+TeOF₅)=8.8

Medium: EtOH. K1(HClO₄)=4.87

MoO₄-- H2L Molybdate (443)
Molybdate;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl NaCl 25°C 1.0M C 1987YSa (8759) 48
B(6,6,1)=50.40

$$B(7,6,1)=53.68$$

$$B(8,6,1)=55.47$$

$$B(p,q,r)=pH+q\text{Mo}O_4+r\text{Te(OH)}_6$$

OH- HL Hydroxide (57)
Hydroxide;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4)	gl	KCl	25°C	1.0M	C T H	1975KMc (12229) 49
*K1(Te(OH)6)=-7.28						
*B(2,1)=-6.31						
*B(2,2)=-13.45						
*B(1,2)=-17.74						

*B(2,3)=-22.93. Te is Te(VI). Data for 35, 40, 45 C. DH(*K1)=25 kJ mol⁻¹, DH(*B(2,1))=21, DH(*B(2,2))=59, DH(*B(1,2))=38, DH(*B(2,3))=100.

Te(not 4)	cal	KCl	25°C	1.0M	C H	1975KMd (12230) 50
Metal is Te(VI), Te(OH)6. DH(*K1)=29.3 kJ mol ⁻¹ , DS(*K1)=-46.0 J K ⁻¹ mol ⁻¹						
DH(*B(2,1))=25.9, DS(*B(2,1))=-38; DH(*B(2,2))=54.8, DS(*B(2,2))=-71.						

O2-- H2L Peroxide CAS 7772-84-1 (2813)
Peroxide; -0.0-

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4)	gl	KCl	25°C	0.10M	U	1961ATA (12704) 51
K(H ₅ TeO ₆ +H ₂ L)=-0.15						
K(H ₅ TeO ₆ +2H ₂ L)=-1.41						

Te(not 4)	gl	none	25°C	0.0	U	1959EFa (12705) 52
K(H ₅ TeO ₆ +H ₂ L)=-0.17						

S-- H2L Sulfide CAS 7783-06-4 (705)
Sulfide;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4)	EMF	oth/un	18°C	var	U I	K1=7.39 B2=11.45 1972Gza (14484) 53
K3=5.04						
K4=4.35						
K5=2.90						
K6=2.49						

Metal ion: TeO₄--. Medium: Na₂TeO₄

W04-- H2L Tungstate CAS 13783-36-3 (445)
Tungstate;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) sp oth/un ? U 1973GBc (17446) 54
 $K' = 18.5$
 K': $H_2TeO_2(OH)_4 + 4H_2WO_4 = H_6TeO_6(H_2WO_4)_4$
 ****=
 CH4N2S L Thiourea CAS 62-56-6 (51)
 Thiocarbamide, Thiourea; $(H_2N)_2CS$

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) sp KCl ? 2.0M U B2=1.7 1965TSe (17859) 55
 Metal: Te++; medium: HCl.
 ****=
 C2H4O2S H2L Thioglycolic CAS 68-11-1 (596)
 Mercaptoethanoic acid; HS.CH2.COOH

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) gl oth/un 30°C 0.50M U K1=6.3 1982RAa (20375) 56
 Metal: Te(II). Medium: H2SO4.
 ****=
 C2H6O2 L Ethyleneglycol CAS 107-21-1 (924)
 1,2-Dihydroxyethane (Ethane-1,2-diol); HO.CH2.CH2.OH

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) gl oth/un 25°C 0.10M U 1957RLa (22157) 57
 $K(H_5TeO_6+L)=1.21$
 ****=
 C3H6O2S H2L Thiolactic acid CAS 79-42-5 (366)
 2-Mercaptopropanoic acid; CH3.CH(SH).COOH

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) gl oth/un 30°C 0.50M U K1=8.6 1982RAa (25174) 58
 Metal: Te(II). Medium: H2SO4.
 ****=
 C3H6O2S H2L CAS 107-96-0 (437)
 3-Mercaptopropanoic acid; HS.CH2.CH2.COOH

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) gl oth/un 30°C 0.50M U K1=7.6 1982RAa (25229) 59
 Metal: Te(II). Medium: H2SO4.
 ****=
 C3H7NO2S H2L Cysteine CAS 52-90-4 (96)
 2-Amino-3-mercaptopropanoic acid; H2N.CH(CH2.SH)COOH

 Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

 Te(not 4) gl oth/un 30°C 0.50M U K1=5.3 1982RAa (26840) 60

Metal: Te(II). Medium: H₂SO₄.

C3H8O2 L Propyleneglycol CAS 57-55-6 (2025)
Propan-1,2-diol; CH₃.CH(OH).CH₂(OH)

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(not 4)	gl	oth/un	25°C	0.10M	U				1957RLa (27686)	61
								$K(H_5TeO_6+L)=1.47$		

C3H8O3 L Glycerol CAS 56-81-5 (2707)
Propane-1,2,3-triol; HO.CH₂.CH(OH).CH₂.OH

Metal	Mtd	Medium	Temp	Conc	Cal	Flags	Lg	K values	Reference	ExptNo
Te(not 4)	gl	oth/un	25°C	0.10M	U				1957RLa (27752)	62
								$K(H_5TeO_6 + L) = 1.86$		

Te(not 4) oth KCl 25°C 0.10M U 1956ANa (27753) 63
 $K(H_5TeO_6+L) = 1.77$

Method: quinhydrone electrode

Te(not 4) oth oth/un 0°C ->0 U 1956ANd (27754) 64
 $K(H_2TeO_4+nL)=0.34$

Method: freezing point

C4H6O4S H3L Thiomalic acid CAS 70-49-5 (109)
2-Mercaptosuccinic acid, 2-Sulfanyl-1,4-butanedioic acid; HOOC.CH(SH).CH₂.COOH

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl oth/un 30°C 0.50M U K1=6.7 1982RAa (30367) 65

C₄H₆O₆ H₂L

L-Tartaric acid, L-3,3-Dihydroxybutanedioic acid; HOOC-CH(OH)-CH(OH)-COOH

L-Tartaric acid, L-2,3-Dihydroxybutanedioic acid, HOOC.CH(OH).CH(OH).COOH

Metal Mtd Medium Temp Conc Cal Flags Lg K Values Reference ExptNo

Method: optical notation
 $K_{eff}(H_5TeO_6+L) = 1.64 \text{ to } 1.79$

Method: optical rotation

C4H10O2 L CAS 5341-95-7 (35/5)

meso-Butan-2,3-diol; CH₃.CH(OH).CH(OH).CH₃

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl oth/un 25°C 0.10M U 1957RLa (34671) 67
 $K(H_5TeO_5 + L) = 1.16$

DL- or meso- not stated

C4H1003

L

CAS 623-39-2 (3577)

3-Methoxypropan-1,2-diol; CH₂(OH).CH(OH).CH₂.OCH₃

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl oth/un 25°C 0.10M U 1957RLa (34708) 68
 $K(H_5TeO_6+L=H_3TeO_4(H-2L))=1.40$

Metal: Te(VI).

C5H1004

L

Deoxy-Ribose CAS 533-67-5 (7470)

2-Deoxy-D-ribose, 2-Deoxy-D-erythro-pentose;

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl KCl 25°C 0.10M U 1979HUa (40329) 69
 $K(H_5TeO_6+L)=3.11$

C5H1204 H2L Pentaerythrito CAS 115-77-5 (3028)
Pentaerythritol; C(CH₂.OH)₄

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl KCl 25°C 0.10M U 1960ARa (41663) 70
 $K(H_5TeO_6+L=H_3TeO_4H-2L)=0.58$

C6H1206 L D-Fructose CAS 57-48-7 (1561)
D-Fructose

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl KCl 25°C 0.10M U 1957ANa (49553) 71
 $K(H_5TeO_6+L=H_3TeO_4(H-2L))=1.92$

Te(not 4) gl oth/un 25°C ? U 1957RLa (49554) 72
 $K(H_6TeO_6+H_2L=H_4TeO_4L)=1.44$

C6H1206 L D-Galactose CAS 59-23-4 (1559)
D-Galactose

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4) gl oth/un 25°C 0.10M U 1957RLa (49569) 73
 $K(H_6TeO_6+H_2L=H_4TeO_4L)=1.50$

C6H1206 L D-Glucose CAS 492-62-6 (1560)
D-Glucose

Metal Mtd Medium Temp Conc Cal Flags Lg K values Reference ExptNo

Te(not 4)	gl	oth/un	25°C	0.10M	U	1957RLa (49595) 74 K(H ₆ TeO ₆ +H ₂ L=H ₄ TeO ₄ L)=1.16
*****						*****
C6H1206		L	Inositol		CAS 87-89-8 (2285)	
myo-Inositol, meso-Inositol;						*****
Metal	Mtd	Medium	Temp	Conc	Cal Flags Lg K values	Reference ExptNo
Te(not 4)	gl	KCl	25°C	0.10M	U	1967FAa (49639) 75 K(H ₅ TeO ₆ +L=H ₃ TeO ₄ (H-2L)=1.773 K(H ₅ TeO ₆ +2L=HTeO ₂ (H-2L) ₂)=1.85
*****						*****
C6H1406		L	D-Mannitol		CAS 69-65-8 (3664)	
D-Mannitol;						*****
Metal	Mtd	Medium	Temp	Conc	Cal Flags Lg K values	Reference ExptNo
Te(not 4)	EMF	KCl	25°C	0.10M	U	1956ANa (51089) 76 K(H ₅ TeO ₆ +L=H ₃ TeO ₄ (H-2L))=3.19
Method: quinhydrone electrode.						*****
C8H1002		L			CAS 7138-28-5 (3199)	
Phenylethane-1,2-diol; C ₆ H ₅ .CH(OH).CH ₂ .OH						*****
Metal	Mtd	Medium	Temp	Conc	Cal Flags Lg K values	Reference ExptNo
Te(not 4)	gl	oth/un	25°C	0.10M	U	1957RLa (60836) 77 K(H ₆ TeO ₆ +H ₂ L=H ₄ TeO ₄ L)=1.66
*****						*****
Polymer					(4200)	
Polyvinyl alcohol;						*****
Metal	Mtd	Medium	Temp	Conc	Cal Flags Lg K values	Reference ExptNo
Te(not 4)	gl	oth/un	25°C	0.10M	U	1957RLa (108382) 78 K'(H ₅ TeO ₆ +L)=0.00
See reference for definitions						*****
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EXPLANATORY NOTES

DATA Flags are :-

- T Data at other TEMPERATURES
- I Data with various BACKGROUNDS
- H Data for THERMOCHEMICAL quantities

M Data for TERNARY Complexes

END