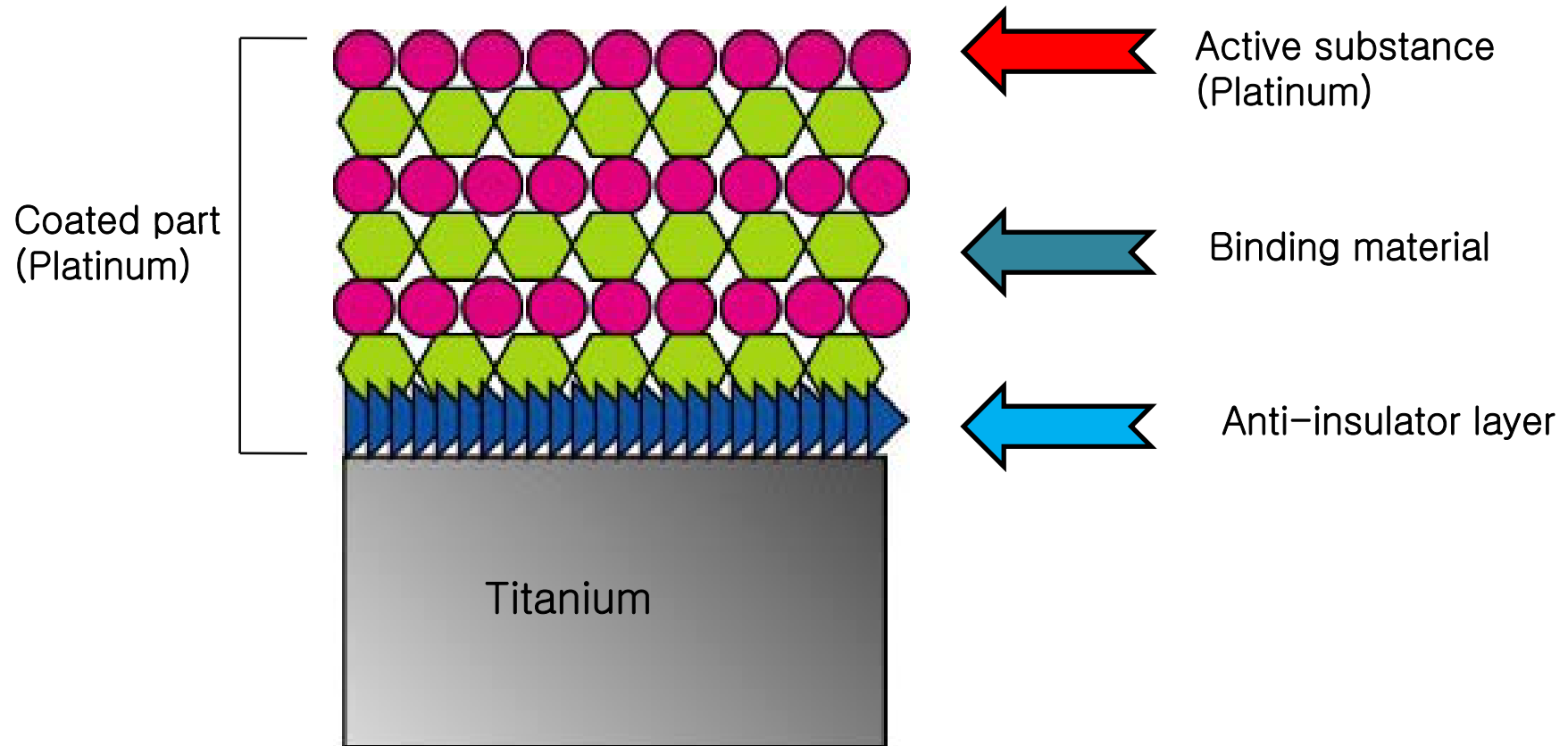
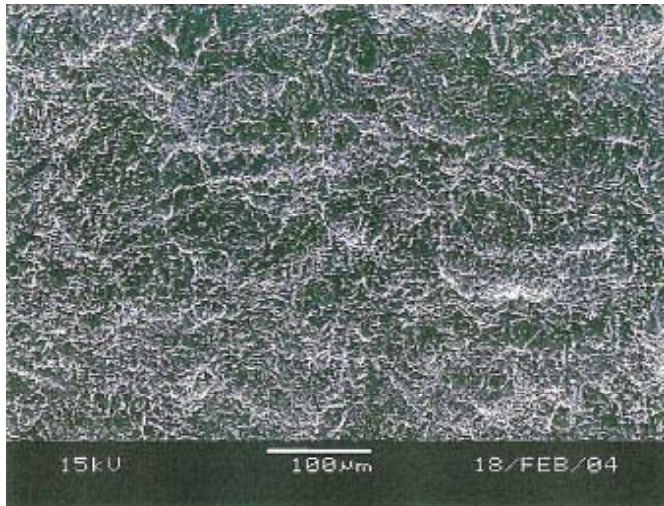


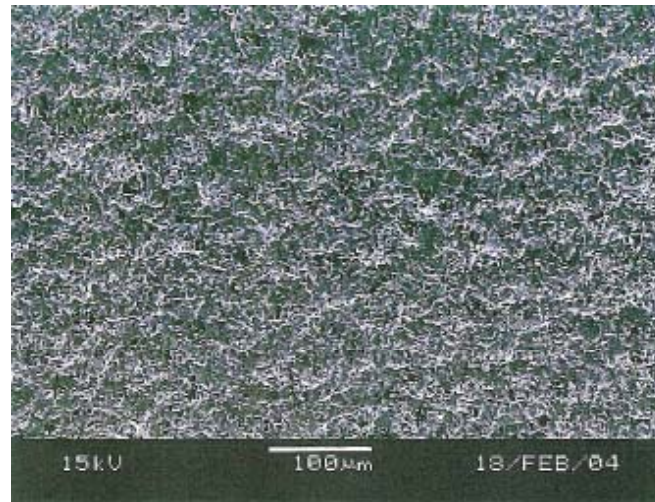
Cross section of plate



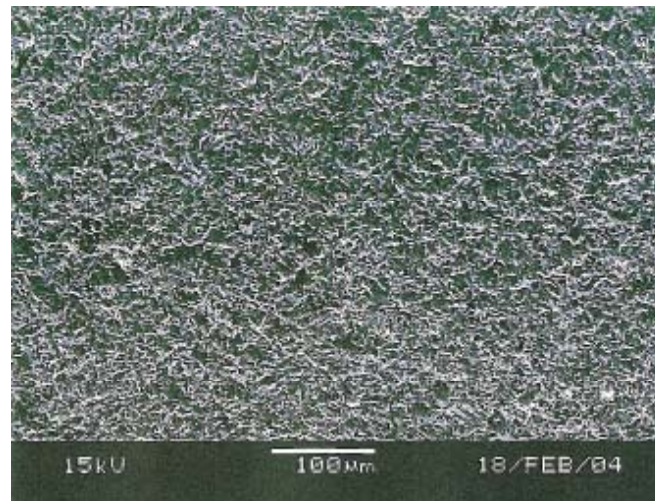
X 200 (Surface from above)



NEXUS plate
(coated platinum)

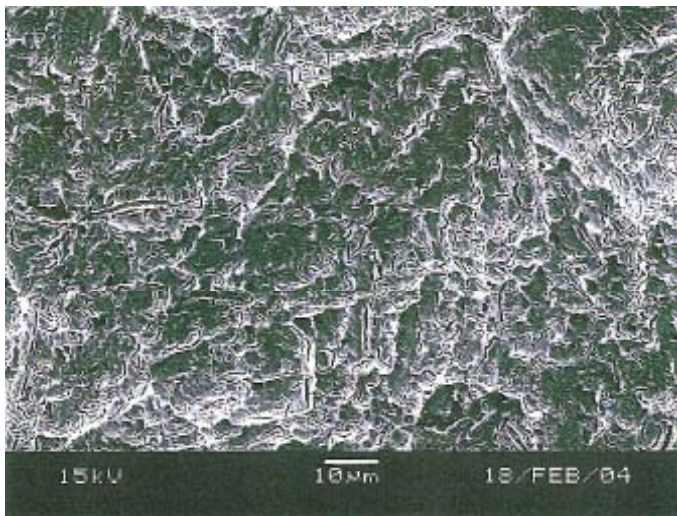


D company
Dipping method



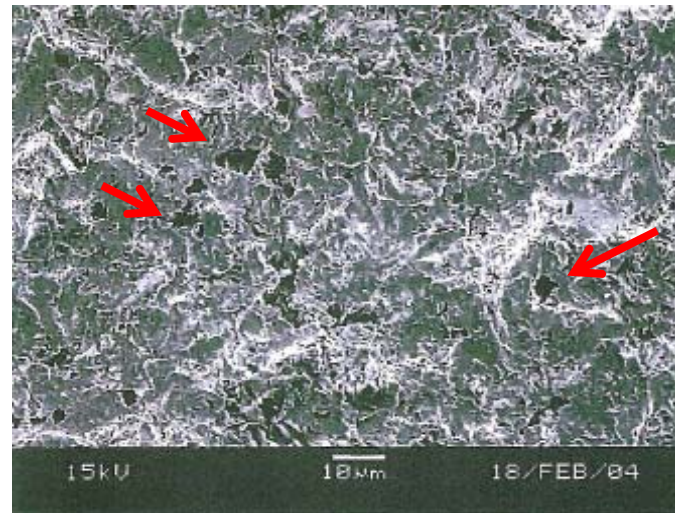
H company
Dipping method

X 1000 (Surface from above)

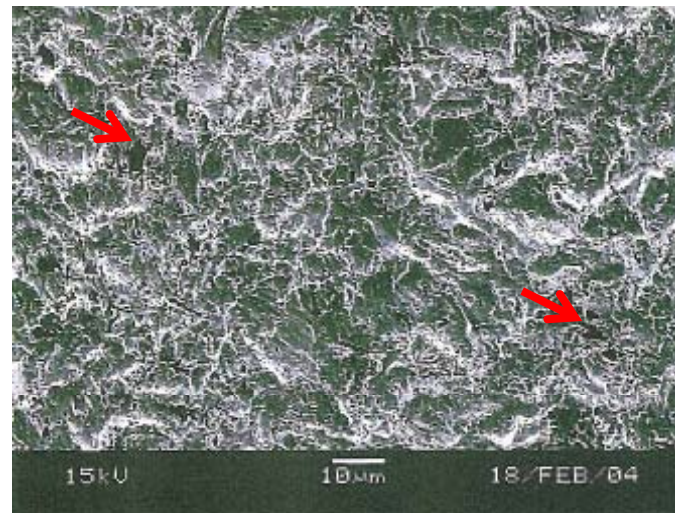


NEXUS plate
(Coated platinum)

The Red arrows area is not coated platinum area.



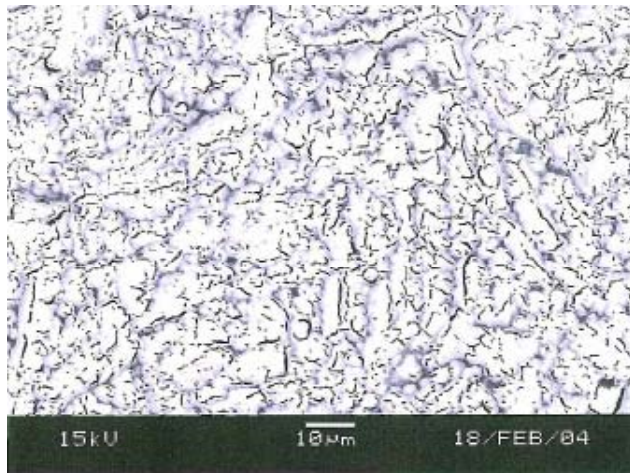
D company
Dipping method



H company
Dipping method

X 1000 (Platinum rate)

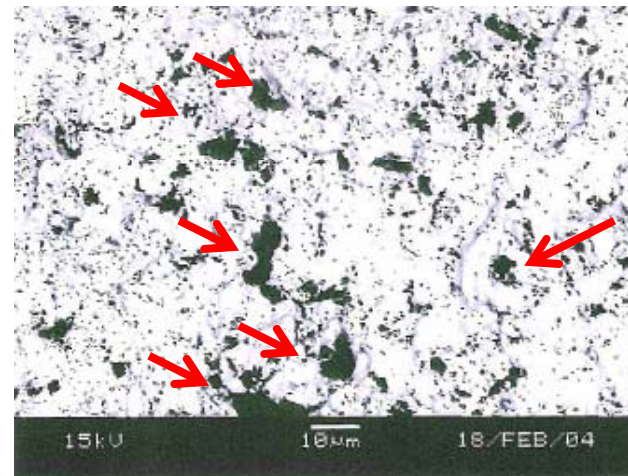
The rate of platinum SEM image



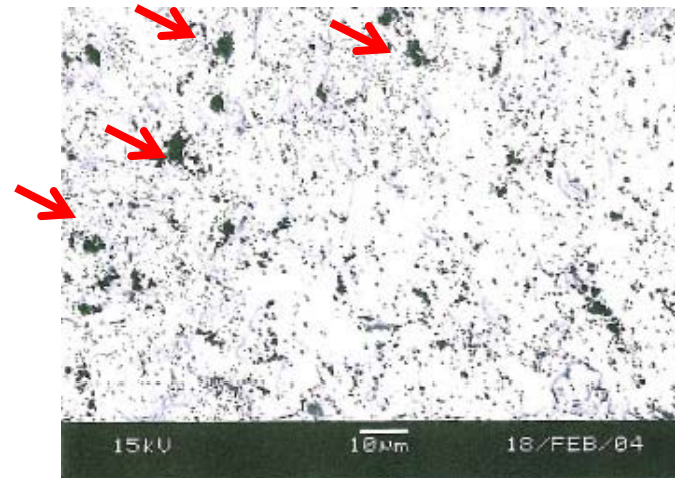
NEXUS plate
(coated platinum)

Our plate have full platinum by spray method.

Not enough to attach the platinum



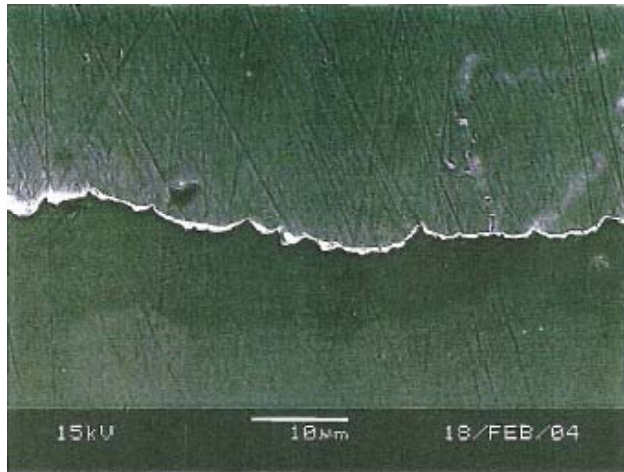
D company
Dipping method



H company
Dipping method

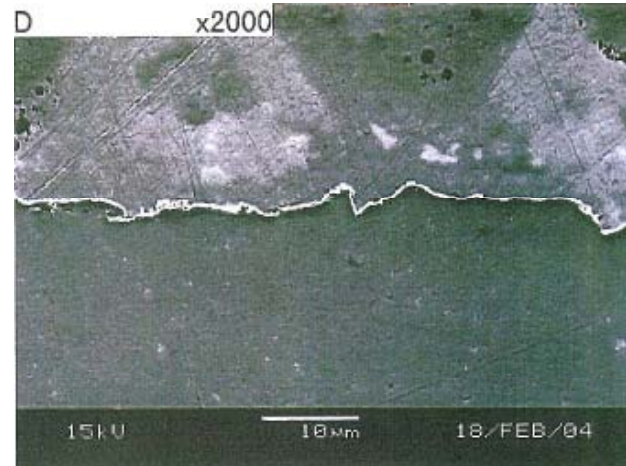
The plate surface comparison between spray mesh type plate and flat plate. So the rate of flat area small.

X 2000 (Cross section)

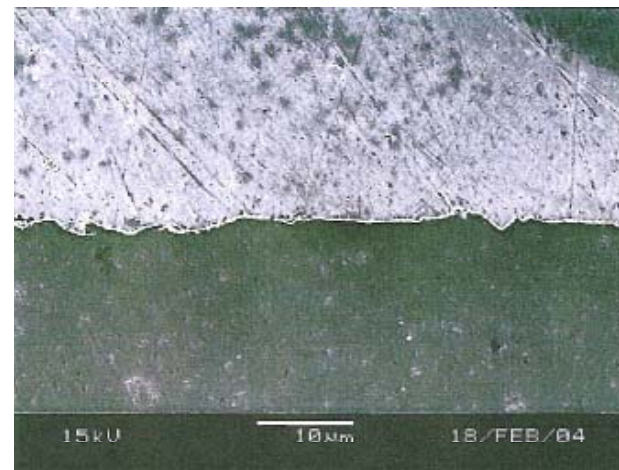


NEXUS plate
(coated platinum)

The plate surface is very rough so the rate of area very large better than other plates.

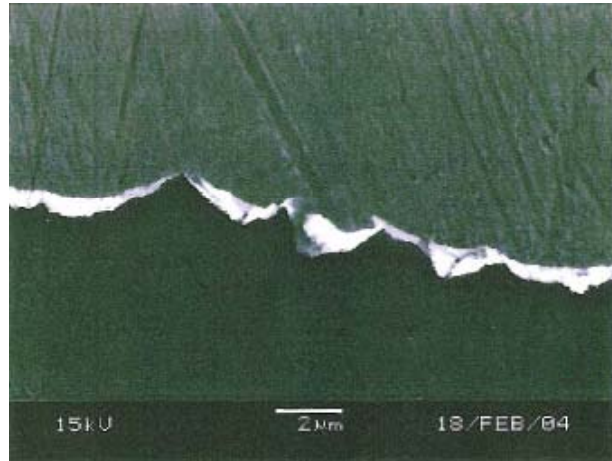


D company
Dipping method



H company
Dipping method

X 7000 (Cross section)



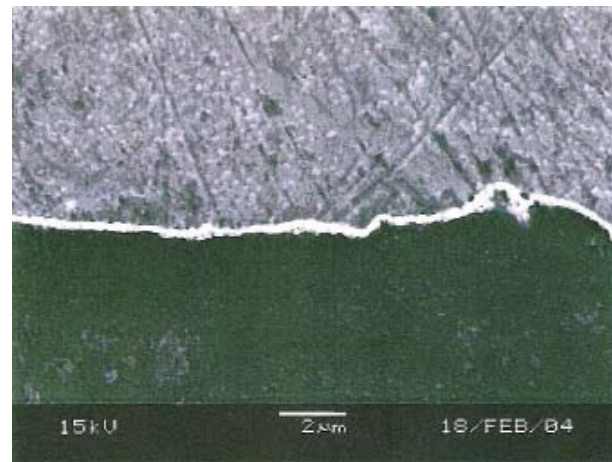
NEXUS plate
(coated platinum)

The plate surface is very rough so the rate of area very large better than other plates.

The plate surface is shown flat plate. So the rate of area small. Also the platinum not enough to be coated on the plate.

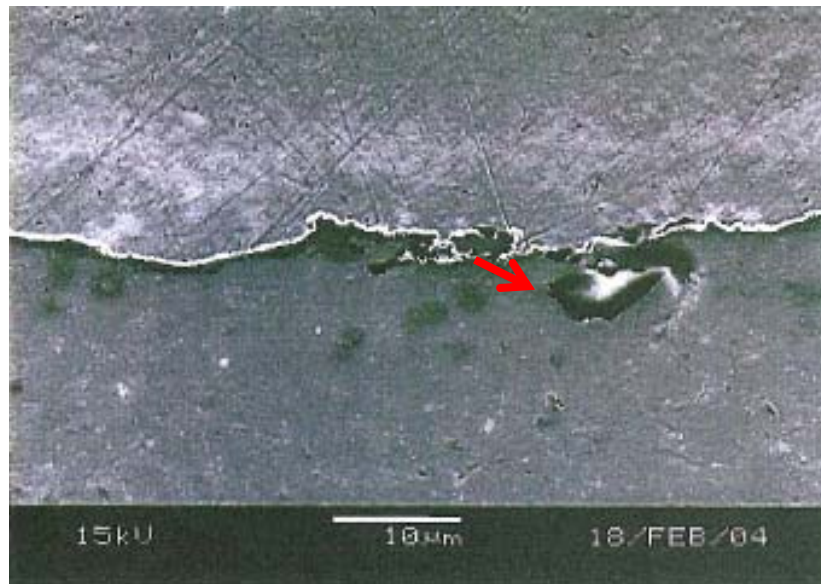


D company
Dipping method



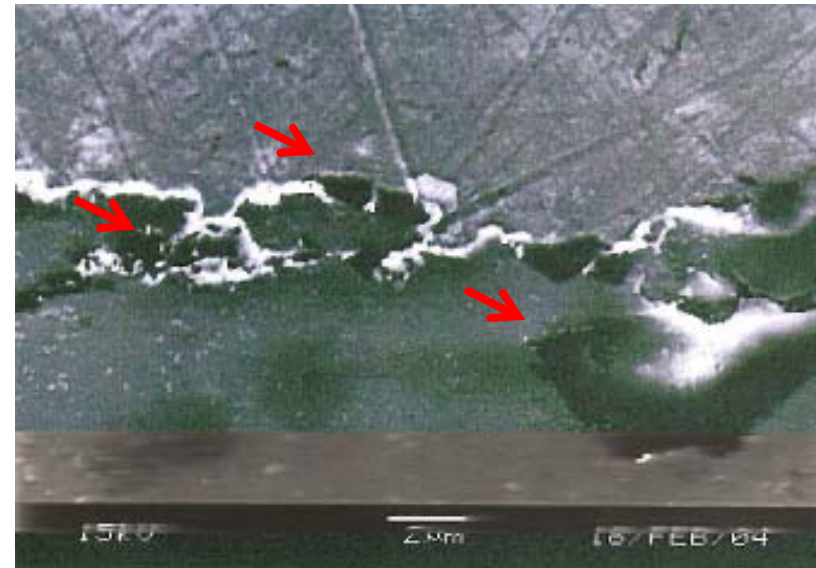
H company
Dipping method

X 2000 (Cross section)



D/H company
Dipping method

X 6000 (Cross section)



D/H company
Dipping method

When the plate are made by dipping, there are some dust, the area is not be coated for dust.
So when you look the image, find out a black area.

電極比較試験(入水流量別試験)

Electric rate

入水流量 Water flow	設定段数	電解電圧		電解電流		PH		ORP(mv)	
		Coated	Plated	Coated	Plated	Coated	Plated	Coated	Plated
1.2 l/min Low	アルカリ水1段	3.10	3.65	0.18	0.18	9.03	9.20	-104	-23
	アルカリ水2段	4.65	4.80	0.31	0.28	9.40	9.54	-252	-108
	アルカリ水3段	6.40	6.80	0.45	0.44	9.83	9.84	-300	-207
	アルカリ水4段	8.00	9.00	0.70	0.82	9.99	10.21	-334	-370
	酸性水	12.25	12.50	1.10	1.10	6.30	5.60	726	603
2.0 l/min Medium	アルカリ水1段	4.50	4.60	0.33	0.25	9.03	8.99	-27	24
	アルカリ水2段	6.60	6.72	0.56	0.50	9.42	9.38	-187	-79
	アルカリ水3段	9.90	10.20	0.90	0.89	9.76	9.69	-342	-200
	アルカリ水4段	22.00	22.50	2.35	2.40	10.40	10.30	-482	-440
	酸性水	23.00	23.70	2.28	2.58	5.66	5.80	770	520
2.8 l/min High	アルカリ水1段	5.60	5.65	0.42	0.35	9.04	9.03	29	48
	アルカリ水2段	8.70	8.50	0.78	0.61	9.38	9.35	-83	-52
	アルカリ水3段	13.80	13.70	1.45	1.21	9.72	6.59	-359	-219
	アルカリ水4段	34.60	33.80	3.78	3.80	10.38	10.24	-802	-467
	酸性水	33.00	34.80	3.70	4.20	5.63		773	269

原水: PH7.2、ORP 508mv Tap Water; pH7.2 / ORP 508mV

This information indicate the pH and ORP high better than Dipping method plates.
 In Low water flow, pH and ORP is high than Coated plate(NEXUS plate).
 But medium flow and high flow, the measurement high than Dipping plate.
 Also the ORP is very high than Dipping plate.

◎上記試験は現在生産中の10IN-100S室を用いて行い、電圧、電流に異常が無いことを確認する為で、
 結果はそのまま適用可能であることを確認した。