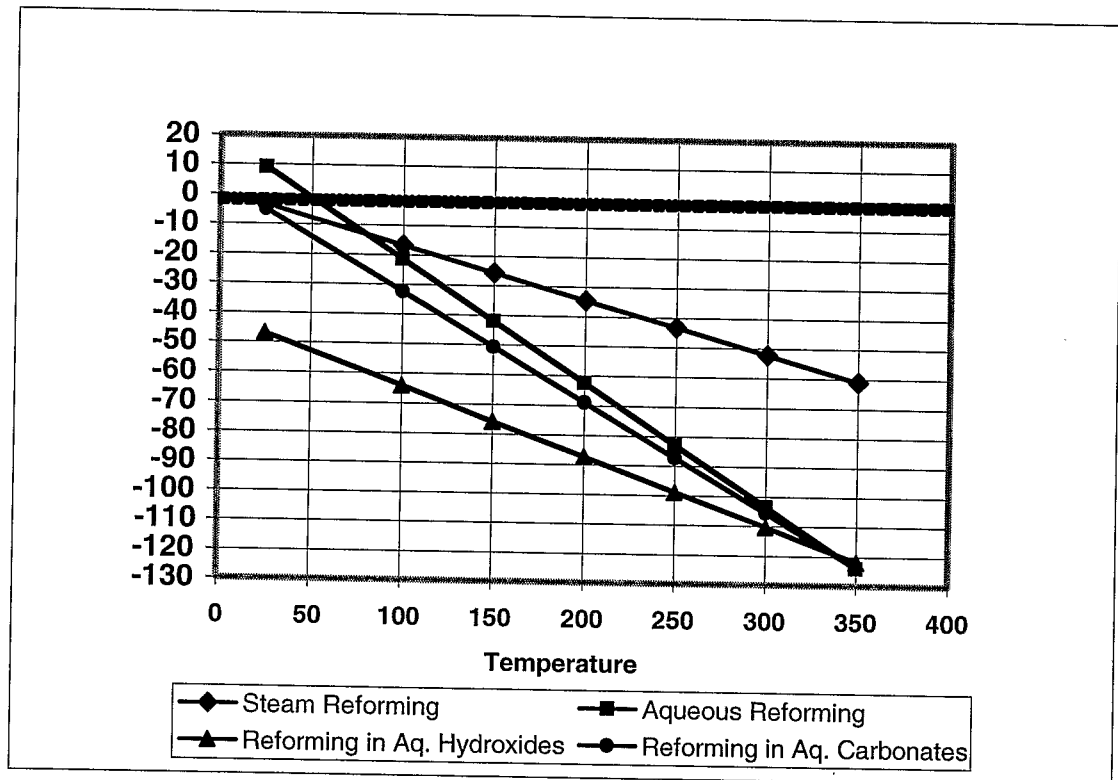


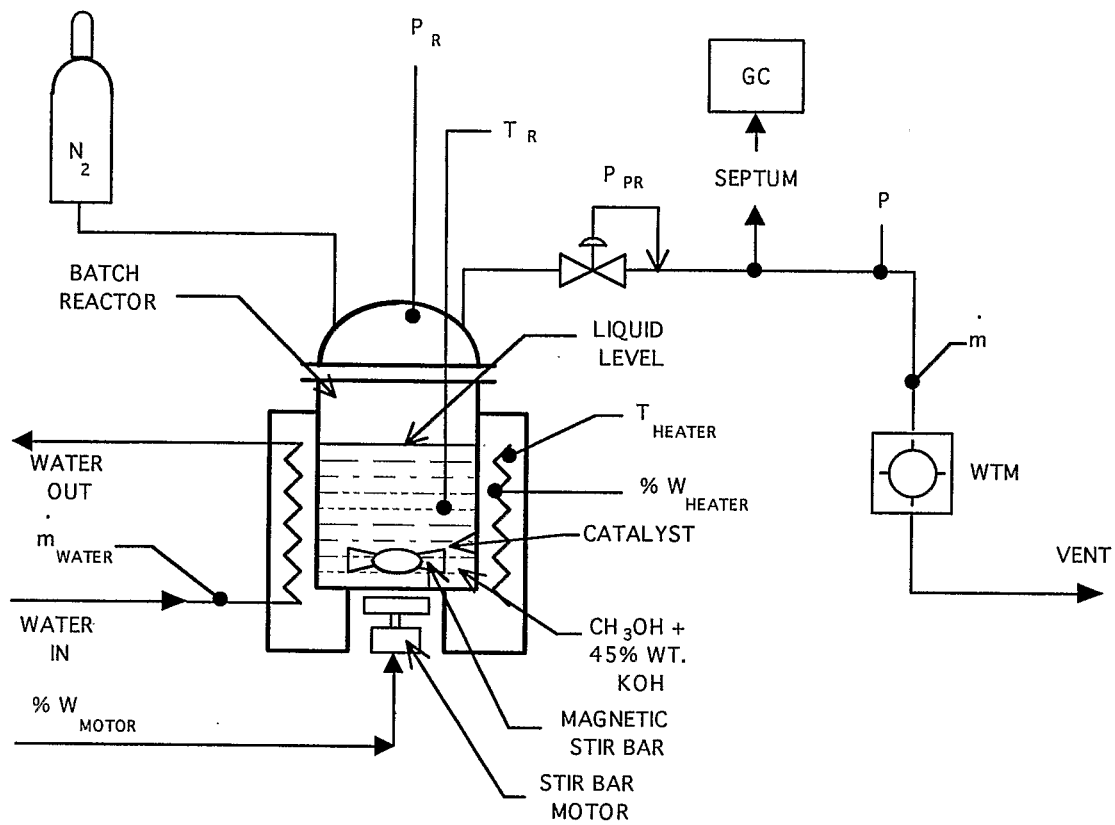
1/8

Figure 1



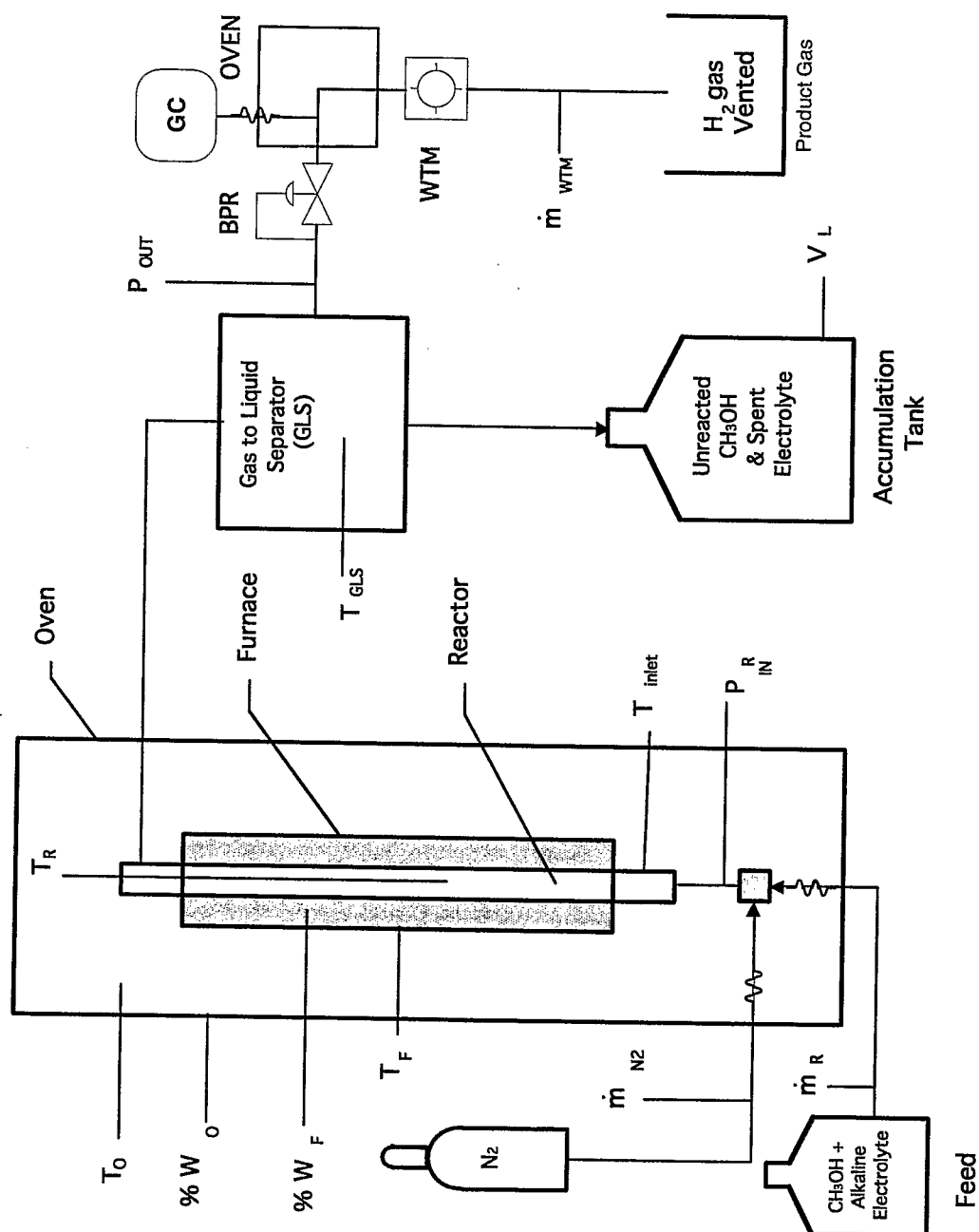
2/8

Figure 2



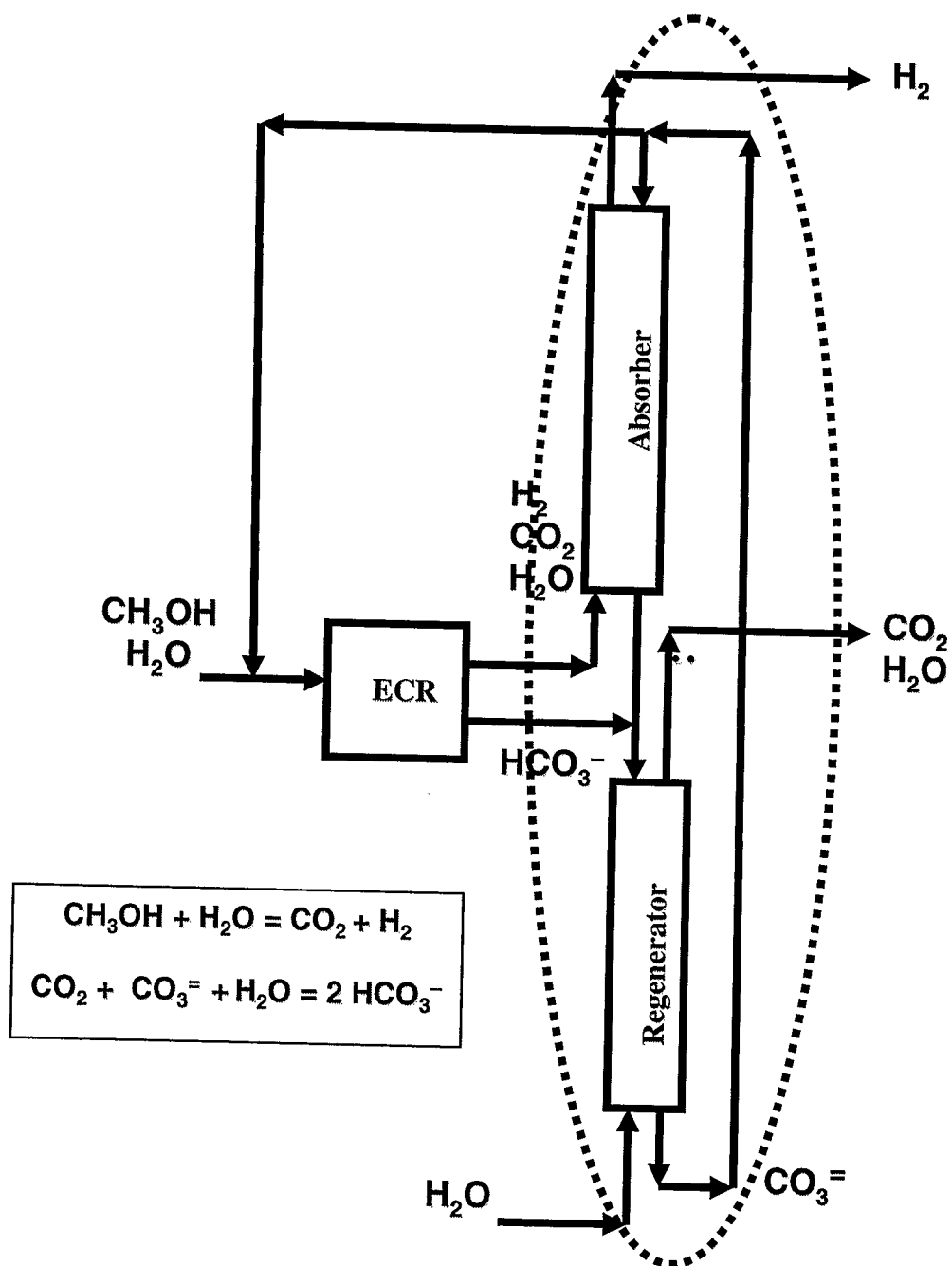
3/8

Figure 3



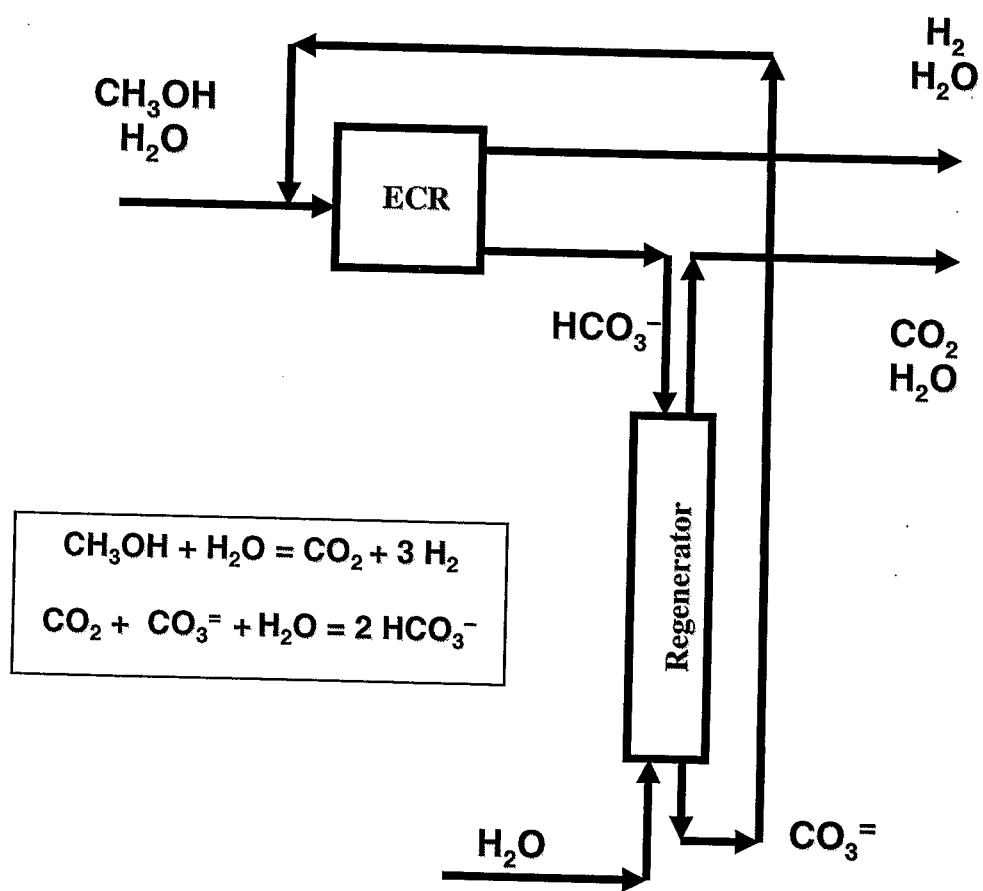
4/8

Figure 4



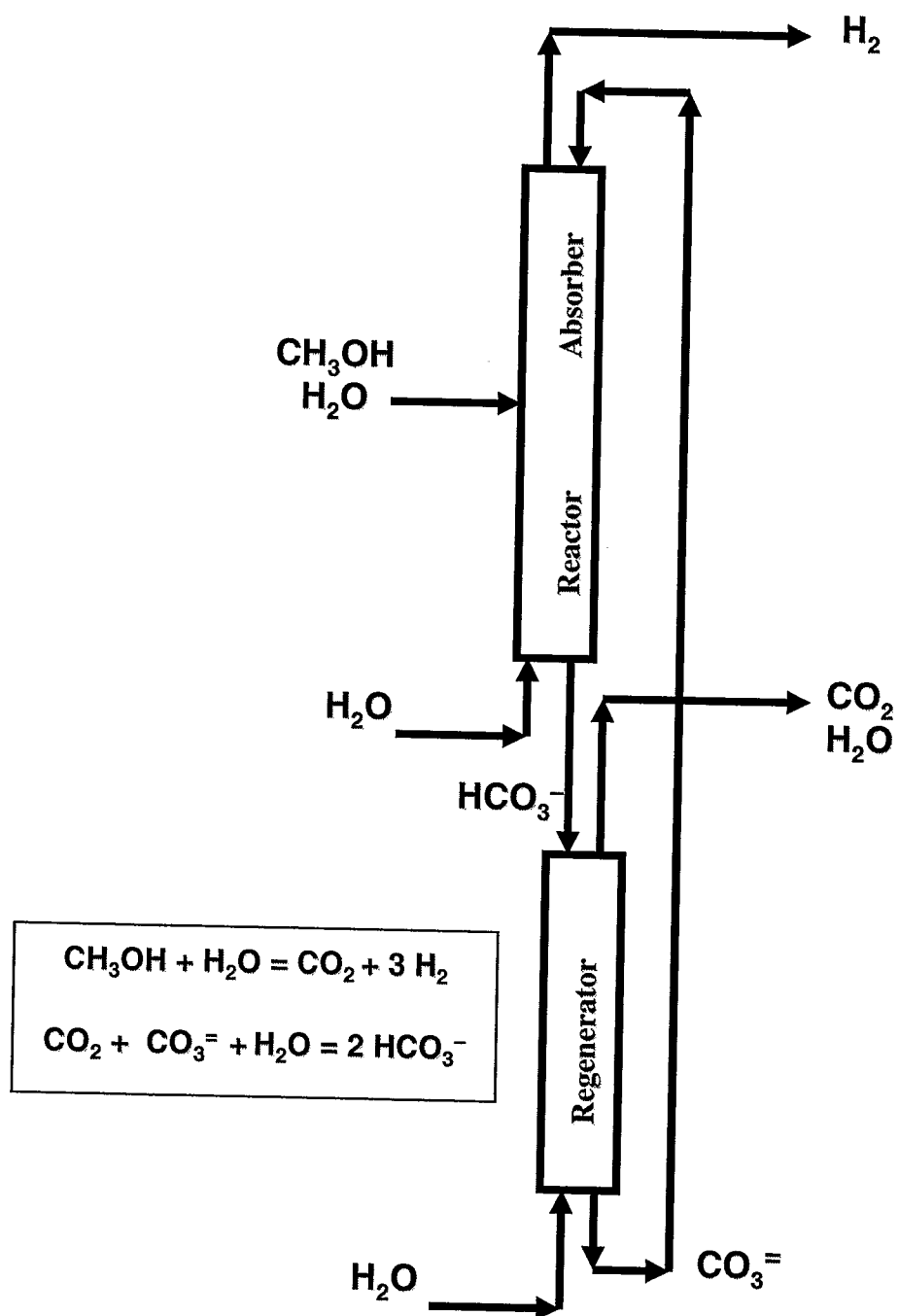
5/8

Figure 5



6/8

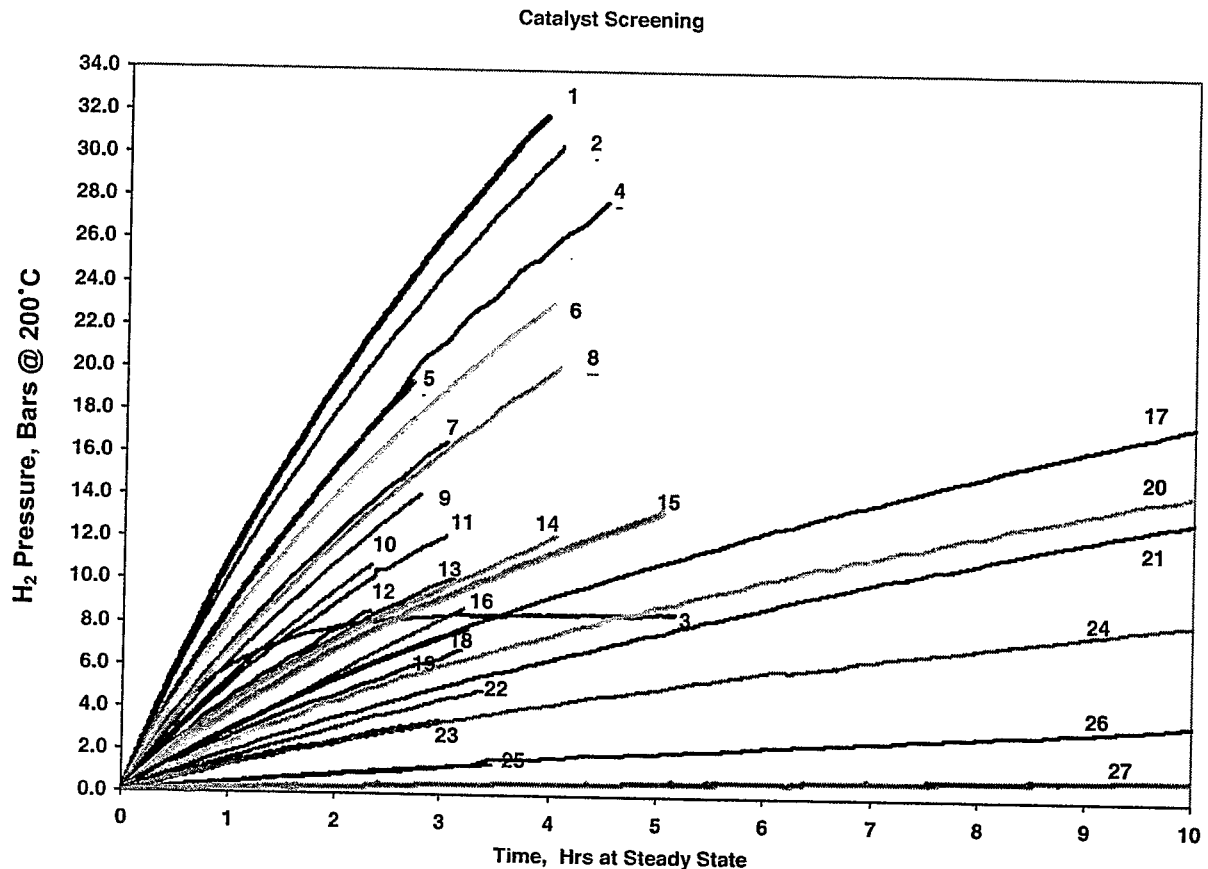
Figure 6



7/8

Figure 7

Comparison of Catalyst Activity in 45 wt% KOH

**LEGEND**

Curve #	Catalyst	Curve #	Catalyst
1	204.1mg Pt_Act C Granules	15	11.43mg Pt_4xComp Ni Foam Chads
2	200mg Pt_Act C Powder	16	4.9g 60% Ni on Graphite
3	1070.2mg Pt_Act C Powder 0.4xCharge	17	5.0g Ni 255
4	5.0g Ni 210H Vary Agitation	18	5.0g 10% Pt & Pd Covered Ni 255
5	5.0g Ni 210H	19	5.1g Ni 123
6	26.7g 50% Pt Coated 4SP-10	20	4.9g Acid Washed Ni 255
7	5.8g 50% Pt Covered Ni 255	21	4.8g 10% Pd Covered Ni 255
8	26g 50% Pt on 4SP-10 Recy 1x	22	0.68g 50% Pt & Pd Covered Ni 210H
9	5.0g Ni 210	23	5.0g Ni 4SP-10 Spheres
10	Pt on C 200mg	24	11.7g 100% Pt Coated Ni Foam
11	5.8 g 50% Pt & Pd Covered Ni 255	25	5.0g 15% Silver on Nickel Spheres
12	Raney 2800, 160 mg Dry	26	12.0g PreCleaned Ni Foam, Fresh
13	5.1g HCA-1 Ni Flake Pigment	27	12.4g 110PPI Ni Foam
14	COP 20% Pt on C, 240mg		

8/8

Figure 8

Hydrogen Generation in Fresh and Regenerated Carbonate Electrolyte
(Pt/C Catalyst)

