

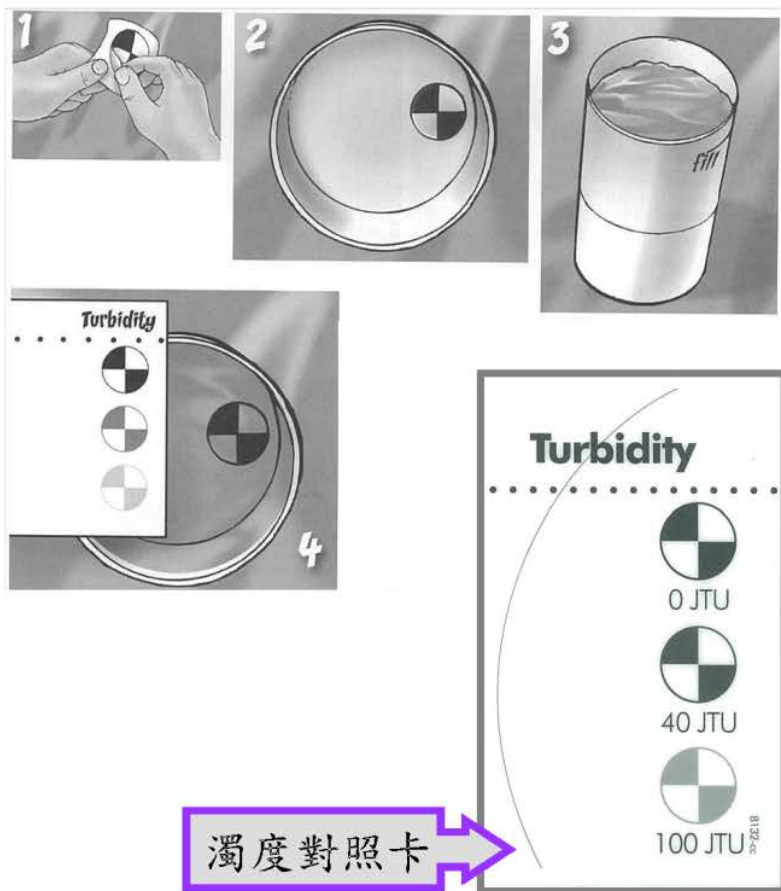


# 桃園市政府環境保護局

## 水質檢測教學



## 濁度(Turbidity)檢測



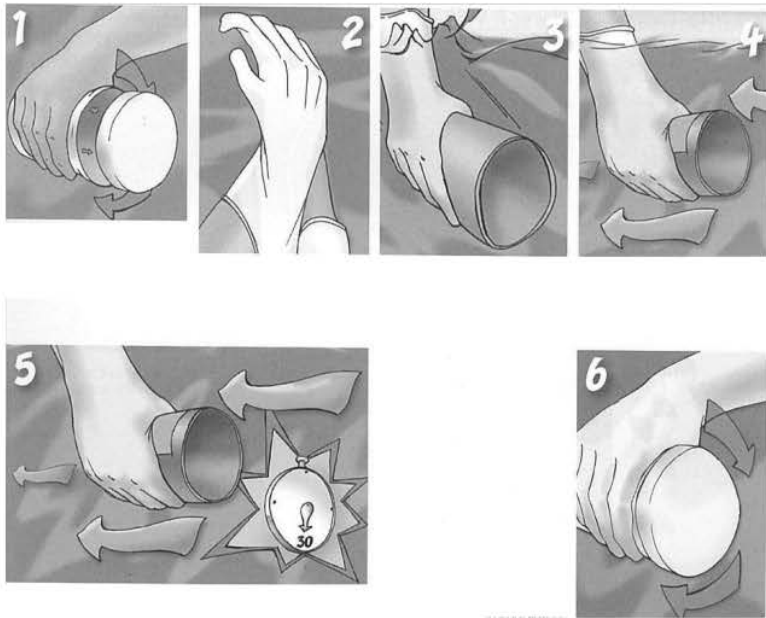
1. 從 Test Kits 檢測包內取出 Secchi 盤貼紙

2. 將 Secchi 盤貼紙貼於採樣罐內底部 8~24 小時

3. 盛裝需檢測之水源

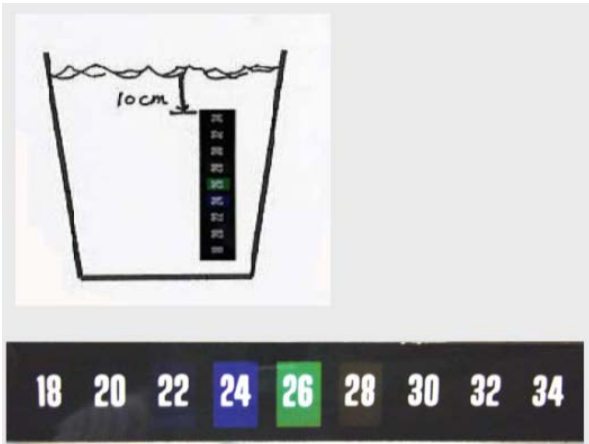
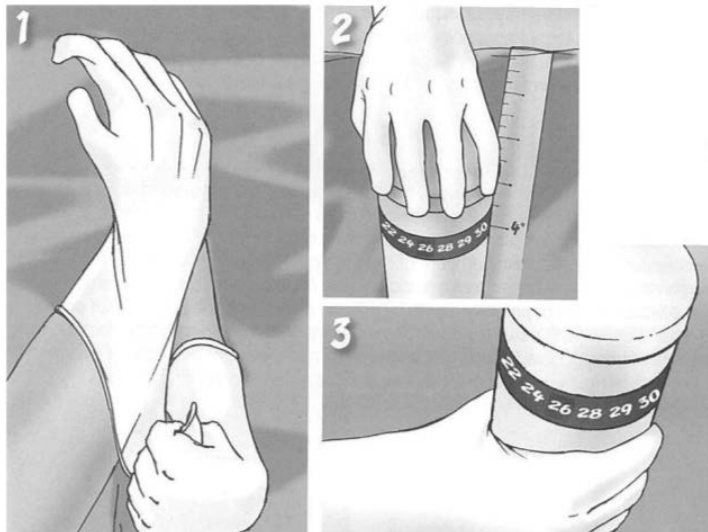
4. 利用濁度對照表進行比對得濁度值

## 採(收)集水樣過程



- 1.取出採樣容器並移除覆蓋物
- 2.採樣人員需穿戴手套
- 3.盡量握置容器底部並置入水面下
- 4.水源採集方向宜開口向上游方向
- 5.容器置於水面下至少30秒
- 6.採集完水樣於水面下將蓋子覆蓋後使得取出

## 溫度(Temperature)檢測



1. 檢測人員需穿戴手套
2. 將貼有溫度顯示貼紙之容器置於水面下10.16 cm(4 inches) 1分鐘
3. 置入水中1分鐘後，即可取出並讀取及記錄溫度

# 溶氧(Dissolved oxygen, DO)檢測

溶氧對照卡

**Dissolved Oxygen**

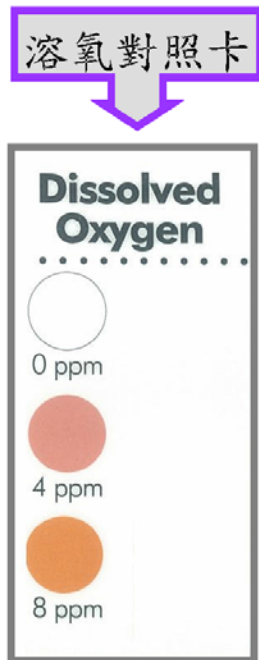
0 ppm

4 ppm

8 ppm

- 2.取出小隻(O125)試劑管於採集水樣中盛裝水樣
- 3.將2顆溶氧測試錠置入試劑管
- 4.蓋上試劑管黑色蓋子，排除多餘的水樣
- 5.混合水樣使測試錠溶解(大約4分鐘)
- 6.溶解完後靜置5分鐘使其顯色
- 7.完成後與溶氧對照表進行比對得溶氧值

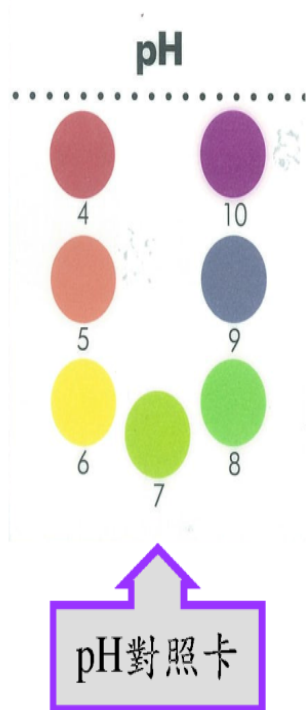
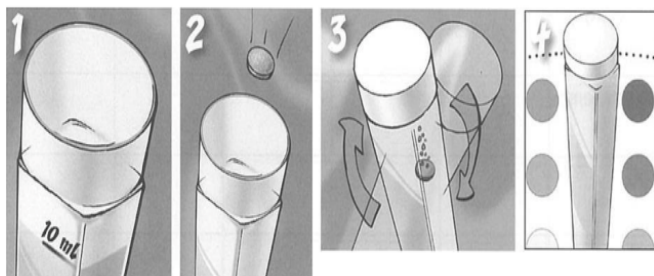
# 溶氧飽和度(saturation)對照表



溶氧(Dissolved Oxygen)

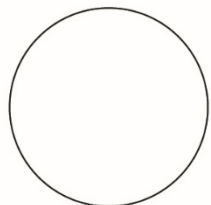
溫度(Temp) °C	0 ppm	4 ppm	8 ppm
2	0	29	58
4	0	31	61
6	0	32	64
8	0	34	68
10	0	35	71
12	0	37	74
14	0	39	78
16	0	41	81
18	0	42	84
20	0	44	88
22	0	46	92
24	0	48	95
26	0	49	99
28	0	51	102
30	0	53	106

# 氫離子濃度指數(pH)檢測

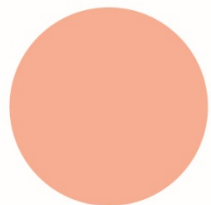


- 1.取出(O106)試劑管將水樣裝至10mL標線處
- 2.將1顆pH測試錠置入試劑管
- 3.蓋上試劑管白色半透明蓋子，混合水樣使測試錠溶解
- 4.顯色後將試劑管與pH對照卡進行比對得pH值

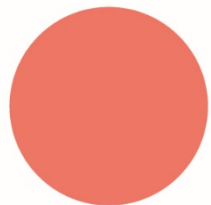
# Dissolved Oxygen



0 ppm



4 ppm

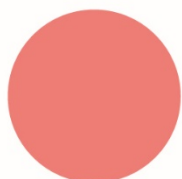


8 ppm

# pH



4



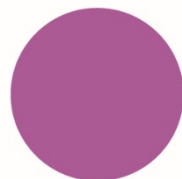
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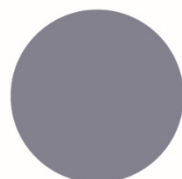
6



7



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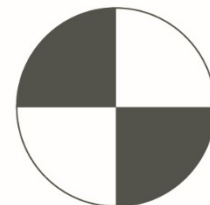


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# Turbidity



0 JTU



4 JTU



100 JTU





**THANKS!!**