

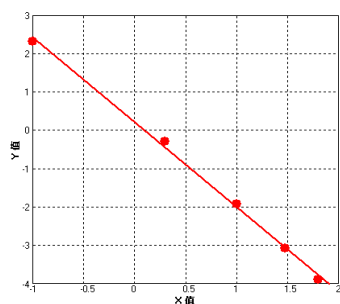
## Testosterone performance overall evaluation results

### Standard curve

Standard: ng/ml	OD value
0	2.736575
0.1	2.58785
0.4	1.8607
1.6	0.7464
5	0.2912
20	0.0926

X: Standard Concentration  
Y: OD values at 450 nm and 630 nm

$R^2 = 0.98721$



	QL	QH
<b>Repeatability</b>	0.536081	11.002778
	0.646355	12.037566
	0.655532	12.572239
	0.744067	12.667766
	0.713655	13.678896
	0.696313	14.050306
	0.680545	12.833655
	0.712112	11.61175
	0.752201	13.724204
	0.670483	13.116912
<b>M</b>	0.6807344	12.7296072
<b>S</b>	0.058546	0.923823696
<b>CV</b>	8.60%	7.26%

<b>OD value (Blank hole)</b>		
2.6827	2.5584	2.6146
2.5472	2.5372	2.5905
2.4973	2.5466	2.6332
2.4581	2.4371	2.4878
2.4044	2.4083	2.4838
2.3843	2.3722	2.4876
2.5072	2.3964	
M	2.501745	
S	0.085415037	
M-2S	2.330914927	
<b>Detection limit</b>	<b>0.2728ng/mL</b>	

<b>Accuracy</b>	<b>Sample of base</b>	<b>9:1 Recovery</b>	<b>9.5:0.5 Recovery</b>
<b>Test 1</b>	0.248633	2.495887	1.449748
<b>Test 2</b>	0.22722	2.504714	1.280458
<b>Test 3</b>		2.377838	1.120135
<b>Mean</b>	0.2379	2.4595	1.2834
<b>Recovery Rate</b>	<b>107.81%</b>	<b>111.08%</b>	<b>104.55%</b>