

Mindray BC2800Vet --> Reagent Consumption

Reagent Consumption Rate					
Vol in mL (Various fluidic Cycles)	Diluent	Rinse	Lyse	E-Z cleaner	Probe Cleanser
startup	54	16.5	0.5	0	0
shutdown	13.5	5.5	0	2	
test cycle (whole blood)	34.5	9.5	0.5	0	0

Reagent Costs					
Unit Price in USD	\$100.30	\$37.40	\$83.30	\$51.00	\$51.00
Vol in ml	20,000	5,500	250	100	204
Cost/ml	\$0.005	\$0.007	\$0.333	\$0.510	\$0.250

	Diluent	Rinse	Lyse	E-Z cleaner	Probe Cleanser	Total
FIXED cost - 1 Startup daily	\$0.27	\$0.11	\$0.17	\$0.00	\$0.00	\$0.55
FIXED costs - 1 Shutdown daily	\$0.07	\$0.04	\$0.00	\$1.02	\$0.00	\$1.13
Cost / cycle	\$0.17	\$0.06	\$0.17	\$0.00	\$0.00	\$0.40

Reagent Costs Per Sample				
Test / day	Cycle Cost	Fixed Cost	Daily Cost	Cost/Test
		for Start&Shut	Incl Start&Shut	
1	\$0.40	\$1.67	\$2.08	\$2.079
2	\$0.81	\$1.67	\$2.48	\$1.242
3	\$1.21	\$1.67	\$2.89	\$0.962
4	\$1.62	\$1.67	\$3.29	\$0.823
5	\$2.02	\$1.67	\$3.70	\$0.739
6	\$2.43	\$1.67	\$4.10	\$0.683
7	\$2.83	\$1.67	\$4.50	\$0.643
8	\$3.23	\$1.67	\$4.91	\$0.614
9	\$3.64	\$1.67	\$5.31	\$0.590
10	\$4.04	\$1.67	\$5.72	\$0.572
25	\$10.11	\$1.67	\$11.78	\$0.471
50	\$20.21	\$1.67	\$21.89	\$0.438
100	\$40.42	\$1.67	\$42.10	\$0.421
150	\$60.63	\$1.67	\$62.31	\$0.415
200	\$80.84	\$1.67	\$82.52	\$0.413
250	\$101.05	\$1.67	\$102.73	\$0.411