



# ***PROCUREMENT AND INVENTORY MANAGEMENT***

Worksheet (W1:M3)

## EXERCISE 1: FORECASTING (W1:M3)

### Instructions calculation #1:

- Time period of order = Quarterly
- Number of Xpert MTB/RIF tests site performs per day = 10
- The lab works 21 days a month
- The lab uses 0.0015L bleach /test

Quarterly Supply requirements for Xpert MTB/RIF testing							
Laboratory <b>Regional reference laboratory</b>							
Region <b>Western Region</b>				Supply Quarter <b>3</b>			
District <b>Urban</b>				Year <b>2016</b>			
Total tests performed in previous quarter, including failed tests (A)							
Items	Quantity needed per test (B)	Stock for one month (C) =(A/3)*B	Stock for quarter with 1 month buffer (D)= C*4	Stock on hand (E)	Calculated request (F) = D-E	Order unit (G)	Actual order (H) = F/G and round up
Sputum container				30		100 pack	
Xpert MTB/RIF				100		50 kit	
Concentrated bleach (L)				0.25L		1L bottle	