

***PROCUREMENT AND INVENTORY MANAGEMENT***

Worksheet (W3:M3)

EXERCISE 1: FORECASTING (W3:M3)

**Instructions calculation #3:**

* Time period of order = Quarterly
* Number of Xpert MTB/RIF Ultra tests site performs per day = 12
* The lab works 21 days a month
* The lab uses 0.0015L bleach /test

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| Quarterly Supply requirements for Xpert MTB/RIF testing | | | | | | | |
| Laboratory **Regional reference laboratory** | | | | | | | |
| Region **Western Region** | | | | Supply Quarter **3** | | | |
| District **Urban** | | | | Year **2016** | | | |
| 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 |  |  |  | **250** |  | **100 pack** |  |
| Xpert MTB/RIF |  |  |  | **175** |  | **50 kit** |  |
| Concentrated bleach (L) |  |  |  | **3L** |  | **1L bottle** |  |