## Sample size calculation for Sensitity & Specificity Studies

## Instruction:

Enter five values in yellow areas only. Then, read the sample size in blue colour box. If you want to know how it is calculated, read the explanation in the next sheet.

0.80 ◀ From literature or pilot study
0.58 From literature or pilot study
0.46 ◄ From literature or pilot study
0.10
95% ◀ 95% is recommended.

 To achieve the precision of 0.1 for 'Sensitivity', we need 'the total sample size' o

 = 135
 ◄ Warning: This sample size will not give the precision of 0.1 for

 With this sample size, the precision for 'Specificity' will be
 = 0.113

 To achieve the precision of 0.1 for 'Specificity', we need 'the total sample size' o
 = 175

 ■ This is preferable as it will give the precision of 0.1 or less for

 With this sample size, the precision for 'Sensitivity' will be

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