

Contents



1. EXECUTIVE SUMMARY	4
2. INTRODUCTION	7
3. OBJECTIVES OF THE MEETING	9
4. APPROACHES TO THE DIAGNOSIS OF MALARIA	10
4.1 Clinical diagnosis	10
4.2 Microscopic diagnosis	11
4.3 Rapid diagnostic tests (RDTs)	12
4.4 Other techniques	18
5. DIAGNOSTIC PRACTICES	21
5.1 Overview	21
5.2 Areas of high malaria transmission	21
5.3 Areas of low to moderate malaria transmission	24
5.4 Special situations	27
6. ISSUES IN THE APPLICATION OF RDTs	30
6.1 Technical characteristics	30
6.2 "Gold standard"	32
6.3 Packaging and ease of use	32
6.4 Robustness of test kits	33
6.5 Quality control and quality assurance	33
6.6 New test evaluation	34
6.7 Economic considerations	34
6.8 Deployment	35
6.9 Impact assessment	36
7. RESEARCH NEEDS	37
7.1 Research on the development of improved assays	37
7.2 Operational field studies using existing diagnostics	39
8. CONCLUSION	42
9. REFERENCES	43