

**USAID/PAHO Project for the Prevention and Control of Antimalarial Resistance in the Amazon:  
Proposed Work Plan for the period October 2002 through September 2003--  
Country Work Plan, Guyana**

**Intermediate Result 1** - Reliable and standardized malaria drug efficacy information available. **Process Indicators:** a) Percent of sentinel sites where data collection has been initiated, b) Percent of functioning sentinel sites that comply with quality control procedures, as defined by country protocol. **Milestones:** a) Studies sites have been identified; b) Study protocol has been prepared and approved by Ethical Committee; c) Surveillance site staff have been trained in use of the study protocol; d) National level reference laboratory has been identified.

Activities	Tasks	Staff , Other Human Resources, and Other Inputs	Product	Cost (total)	Month/ Year	Remarks
A1.1. Establish a regional network for surveillance of drug resistance and monitoring of activities under the coordination of PAHO.	1.1.1 Participate in regional annual technical meeting for reviewing the performance of the network for drug resistance		Greater understanding of logistical issues and report document on patterns of sensitivity in different places		March / 03	Cost included in 3.1

Activities	Tasks	Staff , Other Human Resources, and Other Inputs	Product	Cost (total)	Month/ Year	Remarks
A.1.2 Establish national sentinel surveillance networks with quality control in each target country to assess the efficacy of malarial drugs.	1.2.1 Meeting of National and Site Coordinators	Project staff	Finalization of study procedures and protocols	8,000	Oct/02 - Sept/03	
	1.2.2 Supervisory visits by study coordinator o study sites	Study Coordinator and Staff	Monitoring and evaluation of the study progress	11,000	Ene/03 - Sept/03	
	1.2.3 Upgrade laboratory facilities for malaria diagnosis	Train laboratory staff Procure four additional microscopes for the laboratories - 2 for local use - 2 for quality control at regional level	Better quality diagnostic facilities at sites.	13,500	Feb-03	
	1.2.4 Conduct at least two additional trials by the end of the second year	Employ a full time field coordinator. Project staff recruited and trained Purchase materials for study Employ-Project staff for study	Reports of study results	47,000	En/03 - Sept/03	
	1.2.5 Acquire software and hardware for supporting data collection, storage, and analysis as well as preparation and dissemination of reports.	Data management staff 2 desktops for the selected sites - Fax Modern and UP Training of staff in use of surveillance software	Enhanced surveillance system	4,500	March / 03	
	1.2.6 Conduct studies on drug availability, and patient compliance	Hire a Research assistant to coordinate studies Purchase office materials for Research Assistant Travel to study site etc	Report on study findings Well equipped office for Research Assistant	18,000	Ene/03 - Sept/03	
	1.2.7 Establish a system for surveillance of severe malaria		Reports of patterns of severe malaria			

Activities	Tasks	Staff , Other Human Resources, and Other Inputs	Product	Cost (total)	Month/ Year	Remarks
A.1.3 Provide training to improve national capability to conduct the surveillance network of malaria drug resistance in all target countries.	1.3.1 Organize training in microscopy for staff at sentinel sites	Short term consultant with experience in training persons in malaria microscopy	Standardization of microscopy techniques	21,000	Ene/03 -	
	1.3.2 Identify and train staff in surveillance protocols and procedures	National Coordinator	Follow-up of patients according to protocols with supervision by National Coordinator	6,000	Ene/03 -	
	1.3.3 Prepare and disseminate training materials	National Coordinator	Adapted protocols for surveillance	5,000	Ene/03 -	
A.1.4. Study findings reviewed, alternative treatments evaluated, and consensus reached on appropriate treatment protocols.	1.4.1 Hire and train staff for data entry and management and	Short term consultant Rent computers Transport and support	Study report finalized and disseminated	7,000	Apri/03	
	National meeting to discuss results and define policy			5,000	Jun/03 -	

Activities	Tasks	Staff , Other Human Resources, and Other Inputs	Product	Cost (total)	Month/ Year	Remarks
<b>Intermediate Result 2.</b> Tools and approaches developed, adapted, tested and disseminated. <b>Indicator:</b> Number of sites identified in Brazil with trials of rapid tests for malaria diagnosis initiated.						
A2.1 Rapid tests for malaria evaluated in selected sites and appraisal of their cost-effectiveness evaluated.	A.2.1.1 Procure malaria rapid tests	Project Coordinator	Availability of Rapid tests	5,000	Ene/03 -	
	A.2.1.2 Evaluate Rapid tests in field	Project Coordinator	Completed field evaluation	7,000	Feb/03 - Aug/03	
	A.2.1.3 Provide guidelines for use of quick tests	Project Coordinator	National Guidelines for use of rapid tests	1,800	Sep/03 -	

Activities	Tasks	Staff , Other Human Resources, and Other Inputs	Product	Cost (total)	Month/ Year	Remarks
<b>Intermediate Result.3:</b> Partnerships to improve malaria control in the sub-region enhanced. <b>Indicator:</b> Number of surveillance network of anti-malarial drug resistance activities carried out with technical assistance or exchanges between target countries						
A3.1 Subregional dialogue and planning for prevention and containment anti-malaria drug resistance facilitated.	3.1.1 Participate in regional annual technical meeting for reviewing the performance of the network for drug resistance	Project coordinator and	Assessment of performance of study sites	8,073	03-Mar	
	3.1.2 Participate in EPI Info training in cost analysis		Better skills for data analysis	7,000	To be determined	
	3.1.3 Participate in sub-regional workshop on data analysis		Report on study findings	5,700		
	3.1.4 Participate in trainer workshop on entomology			3,500		
	3.1.5 Participate in meeting to discuss modification of protocol			5,500		
A3.2 Centers of excellence for regional training identified and supported.	3.2.1 Coordinate with regional institution for assessing <i>in vitro</i> resistance and genotyping		Identification of Centre identified	15,000		
A3.3 South-to-south technical assistance and training activities executed.	3.3.1 Meeting with neighboring countries to review study findings and develop joint treatment schedules.	Project staff	Standardized treatment schedules	6,500		
	3.3.2 External training for enhancing Quality Control			7,000	Dic/02	