

Microscopic Imaging enables validation of diagnosis for clinical trials

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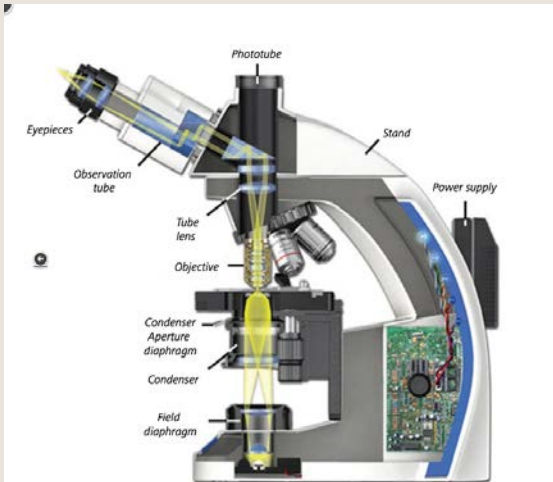
Drugs for Neglected Diseases *initiative*

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Objectives

- Microscope with camera:
 - ▣ Documents and traces the diagnosis of HAT and the follow up laboratory exams of the patients
 - ▣ Impossible to archive fresh slides preparations => use of pictures and short videos
- Power Folder:
 - ▣ Power Folder is an electronic library used to save and transfer pictures and videos

Microscope iLED with camera



Choice of images

- Pictures:
 - ✓ To see a parasite in a stained slide,
 - ✓ while counting White Blood Cells in CSF
- Video
 - ✓ Short sequence of 2-5 sec if a trypanosome is detected in a fresh preparation (CTC, mAECT, MSC, lymph node in a slide)

Images tracing

- Each image is saved in a memory SD card, a set of numbers and letters appears:

- Picture

ex: F911BA_20140106_120808_432

- Vidéo

ex: /2014-09-04/20140904_182440_227.h264

These codes are unique and shall not be modified for good traceability

In the laboratory:

- ✓ Carefully take pictures of relevant images for each patient visit during the clinical trials.
- ✓ Create and maintain a register to link the pictures and videos with the patient's codes and visits

	A	B	C	D	E
1	N°PATIENT	N°PHOTO	N°VIDEO	N° VISITE	
2	503010	888	608	6M	
3	503009	198	978	6M	
4	503011	306		6M	
5	503012	456	259	bilan initial	
6					

- ✓ Transfer the pictures and videos to the investigator as well as the registry

The investigator will create in his/her computer

- ✓ Folders for each patient and each visit (ex: 607001-V12M)
- ✓ Save the pictures and videos in power folder

