Persons invited to screening after interviewing volunteers in phone 
\(n=320\)

- Reasons: refused to participate \(n=45\)
- ART intake or opportunistic diseases \(n=85\)
- Not eligible \(n=130\)

Persons examined at screening \(n=190\)

Exclusion criteria: CD4 count < 400 cells/\(\mu\)L or opportunistic diseases \(n=21\)

Randomized to single-blind twelve months treatment period 
(119 women, 50 men)

- **Spirulina Group**, 
  (62 women, 20 men)

  - Baseline \(n=82\)
    - After 06 months, \(n=79\)
      - HIV negative = 2 and CD4 \(\leq 400\) cells/\(\mu\)L = 1
      - Drop out = 2

  - After 12 months \(n=78\)
    - HIV negative = Drop out 1

- **Control group**, 
  (57 women, 30 men)

  - Baseline \(n=87\)
    - After 06 months \(n=73\)
      - HIV negative = 6 and CD4 \(\leq 400\) cells/\(\mu\)L = 8, drop out 14
      - Drop out = 8

  - Follow up phase 06 months

  - After 12 months \(n=64\)
    - CD4 < 400 cells/\(\mu\)L = drop out 9