

No.D.12025/1/2020-PD/HFW  
GOVERNMENT OF MIZORAM  
OFFICE OF THE PRINCIPAL DIRECTOR  
HEALTH & FAMILY WELFARE DEPARTMENT

Dated Aizawl, the 13<sup>th</sup> July, 2020

To,

- 1) All Dy. Commissioner, Mizoram.
- 2) All Chief Medical Officer, Mizoram.
- 3) All District Medical Superintendent, Mizoram.

Subj. **Standard Operating Procedure(SOP) for Rapid Antigen Test for COVID-19**

Sir,

COVID-19 hrileng mek laka mipuite kan lo him zawk theih nan leh a vei leh veilo te hmuhchhuah zung zung a, hmalak vat anih theih nan te, thawktute him zawk nan leh ruahmanna felfai tak a awm theih nan te Standard Operating Procedures(SOP) siam a ni a, He Standard Operating Procedures(SOP) for rapid antigen test for COVID-19 ang hian i thuneihna huam chhungah hmala nghal turin ka ngen che a ni e.

Enclō : *Standard Operating Procedures(SOP)  
for rapid antigen test for COVID*

Yours faithfully,

  
(Dr. F. LALLIANHLIRA)

Principal Director  
Health & Family Welfare Department  
Government of Mizoram

Memo. No.D.12025/1/2020-PD/HFW : Dated Aizawl, the 13<sup>th</sup> July, 2020

Copy to:

- 1) PS to Hon'ble Health Minister, Mizoram for kind information.
- 2) Sr.PPS to Chief Secretary, Mizoram for kind information.
- 3) PPS to Health Secretary, Mizoram for kind information.
- 4) PA to Secretary, DM&R, Mizoram for kind information.
- 5) Director of Health Services, Mizoram for information & necessary action.
- 6) Director, ZMC & DH&ME, Mizoram for information & necessary action.
- 7) Mission Director, NHM, Mizoram for information & necessary action.

Principal Director  
Health & Family Welfare Department  
Government of Mizoram

**HEALTH & FAMILY WELFARE DEPARTMENT  
GOVERNMENT OF MIZORAM**

**SOP for Rapid Antigen Test for COVID-19**

Date: 10<sup>th</sup> July 2020

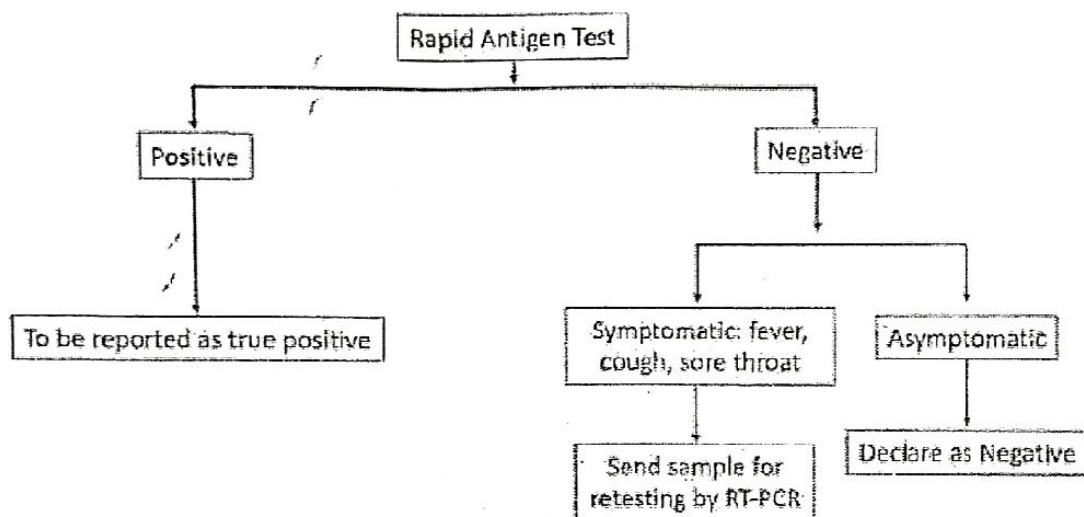
1. State pawn atanga rawn lut zawng zawngte chu Quarantine ni 1-na ah test tur an ni.
  - a. Rapid Antigen test a positive chu **True positive** a ni a, RT-PCR-a ennawn angai'lo.
  - b. Symptom nei Rapid Antigen test negative-te chu Rt-PCR-in test leh tur a ni.
  - c. Symptom neilo Rapid Antigen test negative-te chu "Negative" a ngaih tur an ni.(Annexure-I)
2. **Thlawhna atanga lo haw Home Quarantine tur** te chu Airport-ah test nghal tur a ni. DC, Aizawl, CMO Aizawl East leh CMO Aizawl West ten test dan tur ruahmanna an siam ang.
3. **By road-a lo haw home quarantine turte** chu a hnuai mi ang hian ruahmanna siam a ni:
  - a. Kolasib District mi leh sate tan CMO Kolasib District leh DMS Kolasib District Hospital in ruahmanna an siam ang.
  - b. Kanhmun atang lo lutte tan CMO Mamit leh Medical Officer, Zawlnuam PHC ten ruahmanna an siam ang.
  - c. Khawkawn atang lo lute tan CMO Champhai leh Medical Officer, NE Khawdungsei PHC ten ruahmanna an siam ang.
  - d. Zokhawthar atanga lo lute tan CMO Champhai leh DMS, Champhai DH ten ruahmanna an siam ang.
  - e. Bairabi atanga lo lutte tan CMO Kolasib leh DMS, Kolasib DH ten ruahmanna an siam ang.
  - f. District dang zawng mite chu R. Dengthuama Hall-ah test tur a ni a, CMO Aizawl East leh Aizawl West-in ruahmanna an siam ang.
4. **Rapid Antigen Test tih dan tur:**
  - a. Rapid Antigen Test Kit-a awmte: -
    - i. COVID antigen test device
    - ii. Viral extraction tube with viral lysis buffer
    - iii. Sterile swab
    - iv. Paper stand
    - v. Nozzle cap
  - b. Rapid Antigen Test tih dawna hmanraw mamawhte:
    - i. Full set PPE (Gown, N95 Mask, goggles, gloves, cap)
    - ii. Bawhlhlawhbawm chhin nei
    - iii. Sana (Watch)
  - c. Sample lak leh test dan:
    - i. Rapid antigen test tur hian **Nasopharyngeal swab** lak tur a ni.
    - ii. Rapid antigen test kit chu a expiry date check tur a ni.

- iii. Swab sample lak tur chu hnap hnit tir in, a hnar kua ah dal thei tur thildang a awm tur a ni lo.
- iv. Sample laksak tur chu tlem in a dak deuh tur a ni a, Sterile swab a hnar kua-ah rawlh lutin, dang hawlh thlen ve leh sterile swab chu 180°- a tih vir tur a ni. 10 seconds tal dang chhungah chiah tur a ni.
- v. Hemi hnu hian zawimuangin Sterile swab chu phawi tur a ni.
- vi. Viral extraction tube chhin chu hawngin Swab sample rawlh luh tur a ni a, vawi 5 tal chawh kual tur a ni.
- vii. Chawhkual pah hian viral extraction tube mawnglam chu hmeh sawr tur a ni.
- viii. Sterile swab chu lachhuakin viral extraction tube chu uluk taka chhin leh thlap tur a ni.
- ix. Tichuan, sample chu viral extraction tube atangin test kit-a specimen well-ah far 3 far tir tur a ni.
- x. Test result hi 15 minutes atanga 30 minutes-ah en tur a ni.
- xi. Control line (C) ah rawng sen dang a awm ngei ngei tur a ni a, control line hi a awm loh chuan test hi test kit dang hmangin tihnawn tur a ni.
- xii. Result en dan:  
 Negative: Control line ah chauh a in rin, Test (T) ah inrin a awm lo  
 Positive: Control (C) leh Test (T) a inrin veve in.  
 Invalid: Control (C) a inrin lo, Test (T) a inrin.
- xiii. Test kit bungrua hman zawh zawng zawng chu bawlhhlawh bawmah paih vek tur a ni.

##### 5. Rapid Antigen Test dawna hriattur pawimawhte:

- a. Rapid Antigen Test hi Trained Laboratory Technician-in an ti tur a ni. Test a tih lai hian Full set PPE in a inthuan ngei tur a ni.
- b. Rapid Antigen test kit hi 2°-30° C a dah tur a ni a, ni sa ah dah loh tur a ni.
- c. A result hi 15-30 minutes chhunga en tur a ni a, minute 15 aia hma emaw, minute 30 ral hnua chuan a result hi rinloh tur a ni.
- d. Sample hi lak tawh hnua chuan darkar 1 ral hma a test ngei ngei tur a ni.
- e. Rapid Antigen Test turte hi RT-PCR app-ah thun vek tur a ni.
- f. Test result zawng zawng hi positive ani emaw, negative a nih pawhin ICMR Portal-ah test zawh veleh dah luh nghal zel tur a ni a.
- i. Result hi Annexure-II a format hmang hian Lunglei, Siaha, Lawngtlai leh Hnahthial District-te chuan email – [microbiologychl@gmail.com](mailto:microbiologychl@gmail.com) emaw Ph no- 8259930355- ah whatsapp hmangin thawn tur a ni.
- ii. District dang zawngte chuan ZMC testing Lab.-ah email- [antigenreportingzmc@gmail.com](mailto:antigenreportingzmc@gmail.com) emaw Ph no. 8259930355 ah whatsapp hmangin thawn tur a ni.
- g. Rapid Antigen Test a negative, RT-PCR test tur a thawn te pawh, RT-PCR result a chhuah veleh ICMR Portal-ah dahluh ngei ngei tur a ni.

## Algorithm for COVID-19 testing using rapid antigen point-of-care test



- All positive and negative results should be entered into the ICMR portal on a real time basis after performing the antigen test.
- Results of samples subjected to RT-PCR should be entered after the RT-PCR results are available.