

Which sub-type of  
**“HIV-1”**

is most Prevalent in India?

**“HIV-1” “subtype C”**



*“Millions of lives that could have been saved won't be saved if we  
work on an ungrounded or poorly grounded hypothesis”  
.....Meditel 1990*

## Different major subtype of “HIV-1” and their geographical distribution:

Subtype A	Central Africa
Subtype B	U.S.A., Europe, South Africa
Subtype C	India, Brazil, Southern Africa
Subtype D	Central Africa
Subtype E	Thailand

In India HIV-1 subtype C is the most prevalent strain. While India is dependant on HIV test kits from American and European manufacturers where HIV-1 subtype B is most prevalent. Our HIV Test Kits have been developed from Indian strain of HIV-1, namely HIV-1 subtype C.

### “HIV-1 subtype C” & “HIV-1 subtype B:” “HIV subtype Variance

- HIV-1C & HIV-1B differ from each other by approx 30% in their env coding sequence and 14% in their gag coding sequence. Due to this, the env and gag antigens are different in HIV-1 subtype C and subtype B. Accordingly the antibodies so formed are also different. These antibodies are used as a marker for testing in test kits.
- HIV-1 subtype C is most prevalent in India (>95%)
- HIV-1 subtype B is prevalent through out North America and Western Europe
- Virtually all of the imported diagnostic tools for HIV have been based on HIV-1 subtype B (being of American & European Origin). Such kits can not detect all the samples of HIV-1 subtype C.
- For the first time in India, diagnostics test kits for HIV have been based on Indian strain of HIV-1 subtype C resulting in 100% Sensitivity & 100% Specificity.

\*Please see this scientific paper on website: [www.emerginghiv.org](http://www.emerginghiv.org)

### Diagnostics Testing of HIV Variance

Sara T. Beatrice, Ph. D., New York City Dept. Of Health Bureau of Laboratories has reviewed the technical issue in distinguishing infections with non-B subtypes of HIV-1:

- No. Of Specimens 8800 (1993-97)
- 186 out of 8800 samples came HIV-2 positive by EIA & W. Blot.
- 117 out of these were later on confirmed to be HIV-1 non-B subtype positive. And only 43 were actually HIV-2 positive.
- Therefore, these 117 samples were missed (not diagnosed) by standard HIV-1 subtype based diagnostic test kits.

\*Please see this scientific paper on website: [www.thebody.com/confs/gene99/report.html#2](http://www.thebody.com/confs/gene99/report.html#2)

**“HENCE HIV TEST KITS BASED ON INDIAN STRAIN OF HIV VIRUS (HIV-1 SUBTYPE C), WILL GIVE MORE ACCURATE RESULTS.”**

For further information, please contact:



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