STEP UP LABS PVT. LTD.
504, PARAM DOCTOR HOUSE, LAL DARWAJA,
STATION ROAD, SURAT - 395 003.
PH. : 0261-2492820 MO. : 98796 53311
E-mail : stepuplabs@gmail.com
Visit us at : http:/www.stepuplabs.com

PRODUCT NAME : RELYON DATE : 05-08-09
REF BY. : SIDDHI LAB,SURAT.
REFF ID : 0508090501

REPORT DETAILS **ANALYSIS REPORT**

KNOWN BACTERIAL INNOCULUM (E.COLI) 10^6

METHOD: VIABLE PLATE COUNT.

INNOCULUM TREATED WITH RELYON.

NO	ALIQUOTES	TPC	UNIT
1	200 µL	0	CFU/ML
2	100 µL	0	CFU/ML
3	50 µL	0	CFU/ML

KNOWN BACTERIAL INNOCULUM (E.COLI) 10^{12} ON DATED 08-08-09.

NO	ALIQUOTES	TPC	UNIT
1	200 µL	0	CFU/ML
2	100 µL	0	CFU/ML
3	50 µL	0	CFU/ML

CONCLUDING REMARKS:

GIVEN SAMPLE OF RELYON IS HIGHY EFFECTIVE AGAINST E.COLI BACTERIUM EVEN AT LOWER CONCENTRATION AFTER 5 MINUTE EXPOSURE.

Dr.Chetan R.Balar
M.Sc. ,Ph.D.

*** Under Implementation ISO-15189 - 2007 system development (For Gene therapy), NABL and SIRO (scientific and industrial research organization) from govt.of.india.**

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PRODUCT NAME : **RELYON TREATED H1N1 POSITIVE SAMPLE**
REF BY : C/O SIDDHI LAB
SAMPLE : RELYON SOLUTION
DATE : 29/10/09

H1N1 BY REAL-TIME RT PCR

RELYON SOLUTION IN EQUAL VOLUME TREATED FOR 5 MIN ON KNOWN POSITIVE SAMPLE

THEN TESTED BY REAL-TIME PCR.

RESULT:

H1N1 RT PCR

INF A	:	NOT DETECTED
SWINE INF A	:	NOT DETECTED
SWINE H1N1	:	NOT DETECTED

RNASE P CROSES THRESOLD LEVEN AT 26 WICH SHOWS ASSAY PRODUCED CORRECT REPORT

Interpretation

The HSC shoule NOT exhibit fluorescence growth curves for primer/probe sets InFA, swFluA, or swH1 that cross the threshold line within 40 cycles. If any influenza specific primer/probes exhibit a growth curve that crosses the threshold line, interpret as follows:

(a) Contamination of RNA extraction reagents may have occurred. Invalidate the run and confirm reagent integrity of RNA extraction reagents prior to further testing.

(b) Cross contamination of sample occurred during RNA extraction process or assay setup. Invalidate the run and repeat the essay with stricter adherence to procedure guideline.

When controls meet stated requirements, a specimen is concerned presumptive positive for influenza. A virus if the inFA reaction growth curve crosses the threshold line within 40 cycles. If the reaction for influenza A is positive, it may also be positive for Univ SW and/or SW H1. A specimen is concerned presumptive positive for swine influenza A/H1 if BOTH the infA and the respective sub type (swinfA or swH1) reaction growth curves cross the threshold line within 40 cycles. If a specimen is positive for InfA and only one of the subtype reactions or positive for InfA only, contact CDC for guidance.

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PRODUCT NAME : **RELYON TREATED KNOWN VIRAL LOAD SAMPLE**
REF BY : C/O SIDDHI LAB
SAMPLE : RELYON SOLUTION
DATE : 29/10/09

HIV VIRAL LOAD ASSAY

RELYON SOLUTION IN EQUAL VOLUME TREATED FOR 5 MIN ON KNOWN 100000 COPIES /ML SAMPLE

THEN THE VIRAL LOAD IS MEASURED BY REAL-TIME PCR.

RESULT : **0000 COPIES/Ml (Below Detectable Level)**

METHOD : RT-PCR AMPLIFICATION
KIT USED : HIV 1 QUANTIFY ASSAY

THE ASSAY (RT-PCR IS NIV & IVD APPROVED) HIV -1 RNA QUANTIFICVATION ASSAY.IT IS BASED ON REVERSE TRANSCRIPTION (RT) OF THE TARGET HIV -1 RNA AND POLYMERASE CHAIN REACTION (PCR)
AMPLIFICATION OF THE RESULTING c DNA . VIRAL RNA IS EXTRACTED FROM EITHER ACID CITERATE DEXTROSE (ACD) OR EDTA ANTICOAGULATED PLASMA WITH GUANIDINE ISO THYOCYNATE,AND NUCLEIC ACID FROM THE RELATIVELY IMPURE LYSATE IS PRESIPITATED WITH ISO PROPANOL. REVERSE TRANSCRIPTION AND PCR AMPLIFICATION WHICH HAS BOTH RT AND DNA POLYMERASE ACTIVITIES.
THE ASSAY USES AN INTERNAL QUANTITATION STANDARD (QS) AT A KNOWN CONCENTRATION THAT IS ADDED TO EACH SAMPLE BEFORE EXTRACTION,BOTH TO QUANTIFY THE SAMPLE HIV -1 RNA AND TO COMPENSATE FOR PLASMA INHIBITORY FACTORS AFFECTING EXTRACTION AND AMPLIFICATION. THE QS CONSIST OF RNA TRANSCRIBED INVITRO THAT IS IDENTICAL IN SIZE TO THE TARGET EMPLICON AND USES THE SAME HIV -1 GAG PRIMER BINDING SITES , GENERATING AN AMPLICON THAT IS ALSO CAPTURED ON THE MICRO TITRE WELL. A COLORIMETRIC READ OUT OCCURS THROUGH AN ENZYME LINKED DETECTION SYSTEM,DIFFERENTIATING THE INTERNAL STANDARD AND THE TARGET AMPLICONS.

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