

EXPERIMENTATOR .....  SOP NR. / REVISION .....  
 DATE .....  TIME START ..... END .....  
 RNA .....  TOTAL RNA  mRNA  SPECIAL  
 PRIMER .....  OLIGO dT  RANDOM 6-/9- MERS  
 dNTP MIX: ..... mM dATP ..... mM dCTP ..... mM dGTP ..... mM dTTP  
 EXP. DESCRIPTION .....

RNA - PRIMER MIX (PER TUBE)

COMPONENT	CONCENTRATION		X $\mu$ l PER 1 REACTION	Y $\mu$ l PER ..... REACTIONS	<input checked="" type="checkbox"/>
	REACTION	STOCK			CHECK
..... ng / $\mu$ g RNA					<input type="checkbox"/>
PRIMER					<input type="checkbox"/>
dNTP MIX					<input type="checkbox"/>
H <sub>2</sub> O, RNase free					<input type="checkbox"/>

PRIMER-RNA MIX: INITIAL INCUBATION AT ..... °C FOR ..... MIN, ON ICE FOR ..... MIN

RT - MASTER REACTION MIX (PREPARE ON ICE)

COMPONENT	CONCENTRATION		X $\mu$ l PER 1 REACTION	Y $\mu$ l PER ..... REACTIONS	<input checked="" type="checkbox"/>
	REACTION	STOCK			CHECK
[ ... x] RT BUFFER					<input type="checkbox"/>
RNase INHIBITOR					<input type="checkbox"/>
DITHIOTHREITOL (DTT)					<input type="checkbox"/>
LABELLED dNTP:					<input type="checkbox"/>
OTHER:					<input type="checkbox"/>
... REV. TRANSCRIPTASE					<input type="checkbox"/>

TOTAL  $\Sigma$

$\xrightarrow{\hspace{2cm}}$  VOL. PER REACTION       $\xrightarrow{\hspace{2cm}}$  TOTAL MASTER MIX VOL.

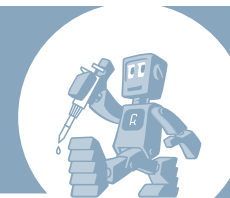
ADDITION OF .....  $\mu$ l RT - MASTER REACTION MIX ALIQUOTS TO EACH TUBE RNA - PRIMER MIX

INCUBATION STEP	TEMP. [°C]	TIME [min]	<input checked="" type="checkbox"/>
(1) INITIAL ANNEALING (RD. HEXAMERS ONLY)			<input type="checkbox"/>
(2) FIRST STRAND SYNTHESIS			<input type="checkbox"/>
(3) REACTION TERMINATION			<input type="checkbox"/>

OPTIONAL RNA REMOVAL: .....

RT RESULTS SUMMARY

AGAROSE GEL CHECK  RT PRODUCT PRESENT  RT PRODUCT ABSENT  
 RT PRODUCTS  OK, AS PREDICTED  NOT AS PREDICTED



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