



Luria Agar Base, Millers Modification

M1726

Intended Use:

Tgeq o o gpfgf "hqt" vjg "ewnvkxcvkqp" cpf" o ckpvpcpeg" qh" tgeq o dkpcpv" uvtckpu" qh" *Escherichia coli* ykvj "qt" ykvj qw" cf fkvkqp qh" i nwequg

Composition**

Ingredients	Gms / Litre
Tryptone	320222
[gcu"gzvtcev	70222
Uqfkw o "Ej nqt kfg	20722
C i c t	370222
Hkpcn" r J "*" cv" 47ÅE+	9020204

, , Hqt o wnc" cflwvugf. "uvcpfctfk | gf" vq" uwkv" r gthqt o cpeg" rctc o gvgtu

Directions

Uwur gpf" 5207" i tco u" kp" 3222" o n" purified / fkuvkmgf" y cvgt0" J gcv" vq" dqknkp i "vq" fkuuqnxg" vjg" o g fkw o "eq o r nvggn {0" Uvgtknk | g" d { " cwwqencxkp i " cv 37" ndu" r tguuwgt" *343ÅE+ " hqt" 37" o kpvvgu0" Eqqn" vq" 67/72ÅE0" Kh" fguktgf" c f f" 32" o n" qh" 42 ' ' i nwequg" uqnwvkqp0" Okz" y gnn" cpf" r qwt kpvq" uvgtkng" Rgvtk" rncvgu0

Principle And Interpretation

Vjku" o g fkw o "ku" dcugf" qp" qtk i kpcn" hqt o wnc" fguetkdgf" d { " Oknngt" hqt" vjg" i tqy vj " cpf" o ckpvpcpeg" qh" *E.coli* " uvtckpu" wugf" kp o qngewnc" o ketqdkqnq i { "*" 3+0" Nwtke" C i c t" Dcug" Oknngt" ku" c" pwwtkvkqpcmn { " tke j " o g fkw o " tgeq o o g p f g f " hqt" i tqy vj " qh" rwtg ewnvwtgu" qh" tgeq o dkpcpv" uvtckpu0 *E.coli* " ku" i tqy p" kp" ncvg" nq i " r j cu g" kp" ND" o g fkw o 0" Uq o g" rncu o kf" xgevqtu" o c { " tgrnkecvg" vq" j k i j e q r { " pw o dgtu" y kvj qwv" ugngevkxg" c o rnk hkecvkqp0" Uq o g" xgevqtu" fq" pqv" tgrnkecvg" uq" htgn { . " c p f " p g g f " v q " d g " u g n g e v k x g n { " c o r n k h k g f 0 E j n q t c o r j g p k e q n " e c p " d g " c f f g f " v q " k p j k d k v " j q u v u { p v j g u k u " c p f " c u " c " t g u w n v " r t g x g p v " t g r n k e c v k q p " q h " v j g " d c e v g t k c n " e j t q o q u q o g 0 " * 4 +

Nwtke" C i c t" Dcug. " Oknngt0u" o q fkhkecvkqp" eqpvckpu" qpg" v g p v j " c p f " q p g " v y g p v k v j " v j g " u q f k w o " e j n q t k f g " h g x g n " q h " v j g " N g p p q z " c p f " Oknngt hqt o wncvkqpu" qh" ND" C i c t" t g u r g e v k x g n { "*" 3.4.5+0" V j k u " j g n r u " v j g " w u g t " v q " u g n g e v " v j g " q r v k o c n " u c n v " e q p e g p t c v k q p " h q t " c " u r g e k h k e " u v t c k p 0 V j g " o g f k w o " o c { " d g " c u g r v k e c m { " u w r r n g o g p v g f " y k v j " i n w e q u g . " k h " f g u k t g f 0

Tryptone" r t q x k f g u " r g r v k f g u " c p f " r g r v p p g u " y j k n g " X k v c o k p " D " e q o r n g z " k u " r t q x k f g f " d { " { g c u v " g z v t c e v 0 " U q f k w o e j n q t k f g " r t q x k f g u " u q f k w o " k q p u " h q t " o g o d t c p g " v t c p u r q t v " c p f " c a u q " o c k p v c k p u " v j g " q u o q v k e " g s w k n k d t k w o " q h " v j g " o g f k w o 0 " C i c t " c e v u " c u " c " u q n k f k h { k p i " c i g p v 0

Type of specimen

Rwtg" kuqncvg" htq o " tgeq o dkpcpv" uvtckpu" uc o r n g u 0

Specimen Collection and Handling

Hqt" rwtg" kuqncvg" uc o r n g u " h q m n q y " c r r t q r t k c v g " v g e j p k s w g u " h q t " j c p f n k p i " u r g e k o g p u " c u " r g t " g u v c d n k u j g f " i w k f g n k p g u " * 6.7+0" Chvgt" wug. " eqpvc o kpcvgf" o cvgtknu" o wuv" dg" uvgtknk | gf" d { " cwwqencxkp i " dghqtg" fkuectfkpi 0

Warning and Precautions :

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations :

- 1.This medium is general purpose medium and may not support the growth of fastidious organisms.
2. Hwtv jgt" dkqe j g o kecn" c p f " u g t q n q i kecn" v g u v u " o w u v " d g " e c t t k g f " q w v " h q t " h w t v j g t " k f g p v k h k e c v k q p 0

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

Etgc o "vq" { gnmqy "jq o qi gpgqwu" htgg "hnqy kpi" r qy fgt

Gelling

Hkt o . "eq o rctcdng" y kvj "307 ' " Cict" ign

Colour and Clarity of prepared medium

[gnmqy "vq" c o dgt "eqnqwtgf. " engct "vq" unk i j vn { " qrcnguegpv" i gn "hqt o u" kp "Rgvtk" rncvgu

Reaction

Tgcev kqp "qh" 5027 ' " y lx " c swgqwu " uqnwvkqp " cv " 47ÅE0" r J " < " 9020204

pH

80 : 2/9042

Cultural Response

Ewnvwtcn " e j ctcevgtkuvkeu " qdugt xgf " chvgt " cp " kpewdcvkqp " qh " 3 : " 46 " j qwtu " cv " 57/59ÅE " y kvj " c f fgf " 3 " o n " qh " 42 ' " fgzvtqug uqnwvkqp " vq " 322 " o n " qh " O39480

Organism	Inoculum (CFU)	Growth	Recovery
<i>Escherichia coli</i> ATCC 23724	72/322	nwzwtkcpv	@?92 '
<i>Escherichia coli</i> ATCC 25922 (00013*)	72/322	nwzwtkcpv	@?92 '
<i>Escherichia coli</i> DH5 alpha MTCC 1652	72/322	nwzwtkcpv	@?92 '

Mg { "< . Eqttgur qpfkpi " Y FEO " pw o dgtu0

Reference

30 " Okmngt . L0 J 0 " 39940 Gz r gtk o gpvu " kp " o qngewnct " i gpgvkeu0 " Eqnf " urtkpi " J ctdqt " Ncdqtcvqt { > * @ . > + @ Eqnf " urtkpi " J ctdqt . " Pgy " [qtm0
 40 Uc o dtqqm . " L0 . " G0H0 " Htkvuej " cpf " V0 " Ocpkcvku0 " 3 ; ; ; 0 Oqngewnct " enqpkpi < " C " ncdqtcvqt { " o cpwcn . " 4pf " g f0 . " Eqnf " Urtkpi " J ctdqt
 Ncdqtcvqt { . " Eqnf " Urtkpi " J ctdqt . " Pgy " [qtm0
 50 Ngppqz " G0U0 " 3 ; 77 . " Vtcpu fwevkqp " qh " Nkpmgf " I gpgvke " E j ctcevgtu " qh " vjg " j quv " d { " dcevgtkqr jci g " R30 . " Xktqni { . " 3 < 3 ; 20

Tgxkukqp "< 3" I " 4233

Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.