



CHN62: REPORTING OF MICROBIOLOGY RESULTS

1.1 Introduction

This SOP provides guidance on reporting of all the microbiological results in the Microbiology laboratory for CHAIN study.

1.2 Purpose

This SOP will aid in a standard reporting of microbiology results.

2.0 Responsibility

This SOP is applicable to all technologists working in the microbiology bacteriology section

3.0 Safety/Risk Assessment

N/A

4.0 Abbreviations/Definitions

N/A

5.0 Specimen

N/A

6.0 Equipment / Materials/ Reagents

6.1 Equipment

6.1.1 Computer

6.2 Required material

6.2.1 Request forms

6.3 Reagents

N/A



REPORTING OF MICROBIOLOGY RESULTS

7.0 Methods

- 7.1 After completion of required tests, enter all microbiology work up and results in respective lab CRF.
- 7.2 Counter check the result entered on the request form to confirm that all required information has been correctly documented.
- 7.3 Open the online KIDMS program on the computer and use specimen number on CRF to get the specific patient entry details.
- 7.4 Enter all results in designated slots by click on drop list. Additional comments can be edited the comment section.
- 7.5 Remember to click on submit in order to save your entries

8.1.0 Appendices:

8.1 Sample Microscopy

8.1.1 Urine samples

Microscopy is only performed by request. All samples will be recorded in the following format using the plus system for enumeration.

If casts are present their type must be recorded as follows: -

Analyte	Lab recording in KIDMS
Granular casts	GRA
Hyaline casts	HYA
Cellular casts	CEL

8.1.2 Gram films/Microscopy:

Reform gram stain as per site SOP

Gram stain results	Lab reporting in KIDMS
Gram positive cocci in clusters	GPC in clusters
Gram positive cocci in chains	GPC in chains
Gram positive bacilli	GPR
Gram negative diplococci	GNDC
Gram negative cocci	GNC
Gram negative rods	GNR
Gram positive diplococci	GPDC
Gram negative coccobacilli	GNCB
Yeasts	YEA
No Organism Seen	NOS



REPORTING OF MICROBIOLOGY RESULTS

8.1.4 Sensitivity patterns:

All sensitivity patterns must be reported in a standard format with only three categories of interpretations.

AST Results	Lab recording in KIDMS
Sensitive	S
Intermediate	I
Resistant	R

8.1.5 Reporting Culture Results:

All culture results will be reported on the request form as three letter codes as shown (8.1.5.1) and full names used for the online system. However, KIDMS will abbreviate the isolate name in three letters in its final report

8.1.5.1 Microbiology Organism Codes:

Analyte	Lab recording in KIDMS
No growth	NGR
Heavy mixed growth	HMG
No pathogens isolated	NPI
No significant growth	NSG
Normal respiratory flora	NRF
Normal skin flora	NSF

Organisms Names	Codes
<i>Achromobacter species</i>	ACH
<i>Acinetobacter anitratus</i>	AAN
<i>Acinetobacter calcoaceticus</i>	ACA
<i>Acinetobacter lwoffii</i>	ACL
<i>Acinetobacter species</i>	ACI
<i>Aerococcus viridans</i>	AVI
<i>Aeromonas hydrophila</i>	AHY
<i>Aeromonas sobria</i>	ASO
<i>Aeromonas species</i>	AER
<i>Alcaligenes</i>	ALC
<i>β haemolytic streptococcus Group A</i>	SGA
<i>β haemolytic streptococcus Group B</i>	SGB
<i>β haemolytic streptococcus Group C</i>	SGC
<i>β haemolytic streptococcus group F</i>	SGF
<i>β haemolytic streptococcus group G</i>	SGG



REPORTING OF MICROBIOLOGY RESULTS

<i>Bacillus species</i>	BAC
<i>Bacteroides species</i>	BSP
<i>Bergeyella zoohelcum</i>	BZO
<i>Brevundimonas diminuta</i>	PDI
<i>Brucella species</i>	BRU
<i>Burkholderia cepacia</i>	PCE
<i>Burkholderia pseudomallei</i>	BPS
<i>Campylobacter fetus</i>	CFE
<i>Campylobacter jejuni</i>	CJE
<i>Campylocter coli</i>	CCO
<i>Candida albicans</i>	CAL
<i>Candida species</i>	CAN
<i>Capnocytophaga species</i>	CCS
<i>Chryseobacterium indologenes</i>	CHI
<i>Chryseobacterium species</i>	CHS
<i>Citrobacter diversus</i>	CDI
<i>Citrobacter freundii</i>	CFR
<i>Citrobacter species</i>	CIT
<i>Clostridium perfringens</i>	CPE
<i>Clostridium species</i>	CSP
<i>Clostridium tetani</i>	CTE
<i>Coliforms species</i>	COL
<i>Comamonas testosteroni</i>	PTE
<i>Coryneforms species</i>	COR
<i>Cryptococcus neoformans</i>	CNE
<i>Cupriavidus species</i>	CPS
<i>Delftia species</i>	DFS
<i>Edwardsiella tarda</i>	ETA
<i>Eikenella corrodens</i>	EKC
<i>Enterbacter cloacae</i>	ECL
<i>Enterobacter aerogenes</i>	EAE
<i>Enterobacter agglomerans</i>	EAG
<i>Enterobacter gergoviae</i>	EGE
<i>Enterobacter species</i>	ESE
<i>Enterococcus species</i>	ESP
<i>Escherichia coli</i>	ECO
<i>Escherichia coli enteropathogenic</i>	EPE
<i>Flavobacterium meningosepticum</i>	FME
<i>Flavobacterium species</i>	FLA
<i>Fungus contamination</i>	FGL
<i>Group D streptococcus</i>	GDS
<i>Haemophilus influenzae</i>	HIN



REPORTING OF MICROBIOLOGY RESULTS

<i>Haemophilus parainfluenzae</i>	HPA
<i>Haemophilus haemolyticum</i>	HHA
<i>Hafnia alvei</i>	HFA
<i>Kingella species</i>	KGS
<i>Klebsiella oxytoca</i>	KOX
<i>Klebsiella pneumoniae</i>	KPN
<i>Klebsiella species</i>	KLE
<i>Kluyvera species</i>	KLU
<i>Lactobacillus species</i>	LAC
<i>Listeria monocytogenes</i>	LSM
<i>Micrococcus species</i>	MCO
<i>Moraxella catarrhalis</i>	MCA
<i>Moraxella species</i>	MSP
<i>Morganella morganii</i>	MMO
<i>Morganella species</i>	MGS
<i>Mycobacterium species</i>	MYC
<i>Mycobacterium tuberculosis</i>	MTU
<i>Neisseria gonorrhoeae</i>	NGO
<i>Neisseria meningitidis</i>	NME
<i>Neisseria species</i>	NSP
<i>Pantoea species</i>	PAN
<i>Pasteurella multocida</i>	PMU
<i>Pasteurella species</i>	PAS
<i>Pasturella pneumotropica</i>	PPT
<i>Plesiomonas shigelloides</i>	PSH
<i>Plesiomonas species</i>	PLE
<i>Propionibacter species</i>	PRP
<i>Proteus mirabilis</i>	PMI
<i>Proteus species</i>	PRO
<i>Proteus vulgaris</i>	PVU
<i>Providencia species</i>	PRV
<i>Providencia stuartii</i>	PRS
<i>Pseudomonas aeruginosa</i>	PAE
<i>Pseudomonas fluorescens</i>	PFL
<i>Pseudomonas oryzihabitans</i>	POR
<i>Pseudomonas putida</i>	PPU
<i>Pseudomonas species</i>	PSE
<i>Pseudomonas stutzeri</i>	PST
<i>Pseudomonas vesicularis</i>	PVE
<i>Ralstonia picketti</i>	RPI
<i>Ralstonia species</i>	RLS
<i>Raoultella planticola</i>	RTP
<i>Rhizobium radiobacter</i>	ARA
<i>Roultella ornithinolytica</i>	KOR
<i>Salmonella arizonae</i>	SAR



REPORTING OF MICROBIOLOGY RESULTS

<i>Salmonella typhi</i>	STY
<i>Serratia liquefaciens</i>	SLI
<i>Serratia marcescens</i>	SMA
<i>Serratia odurifera</i>	SOD
<i>Serratia rubidaea</i>	SRU
<i>Serratia species</i>	SER
<i>Shewanella putrefaciens</i>	SPU
<i>Shigella boydii</i>	SBO
<i>Shigella dysenteriae</i>	SDY
<i>Shigella flexneri</i>	SFL
<i>Shigella sonnei</i>	SSO
<i>Sphingomonas paucimobilis</i>	PPA
<i>Staphylococcus aureus</i>	SAU
<i>Staphylococcus epidermidis</i>	SEP
<i>Staphylococcus saprophyticus</i>	SSA
<i>Stenotrophomonas maltophilia</i>	PMA
<i>Streptococcus bovis</i>	SBV
<i>Streptococcus milleri</i>	SMI
<i>Streptococcus pneumoniae</i>	SPN
<i>Streptococcus sanguis</i>	SSG
<i>Streptococcus species</i>	SSP
<i>Streptococcus viridans</i>	SVI
<i>Unidentified gram-negative fastidious rod</i>	GNF
<i>Unidentified gram-negative non-glucose-fermenting rod</i>	GNN
<i>Vibrio alginolyticus</i>	VAL
<i>Vibrio cholera</i>	VCH
<i>Vibrio fluvialis</i>	VFL
<i>Vibrio parahaemolyticus</i>	VPA
<i>Vibrio species</i>	VIB
<i>Yeast species</i>	YEA
<i>Yersinia enterocolitica</i>	YEN
<i>Yersinia pestis</i>	YPE
<i>Yersinia pseudotuberculosis</i>	YPS

8.1.5 Quantification of bacterial growth in agar plate

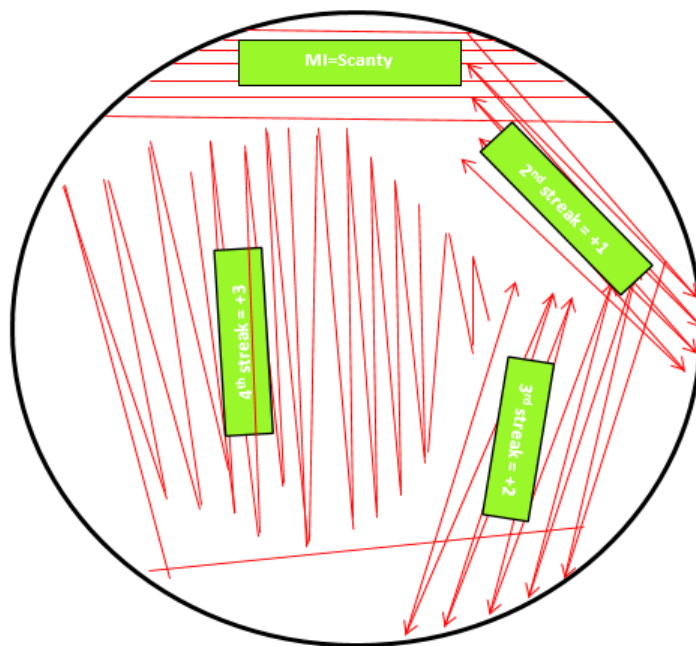
Four streaks including the main inoculum must be made in all agar plates in order to enable easy quantification.

Area of growth on agar plate	Lab reporting in KIDMS
Main inoculum	Scanty
1 st streak	+1
2 nd streak	+2
3 rd streak	+3



REPORTING OF MICROBIOLOGY RESULTS

See image below



9.0 References:

10.0 Document history

Version	Author	Approved by	Dated
1.01 REPORTING OF MICROBIOLOGY RESULTS	Robert Musyimi	Caroline Tigoi	12/04/2017
1.02			

