

NICD GERMS-SA case definitions for isolate submission to Reference Laboratories for 2024 (Level 1_v22)

GERMS-SA laboratory surveillance: ALL laboratories, please submit the following bacterial or fungal pathogens to the National Institute for Communicable Diseases (NICD) on Dorset transport medium with a TrakCareLab/ private laboratory report. Alternatively, send specimen tube/blood culture bottle if uncertain of identification and/or no isolate cultured (please contact NICD reference lab before sending).

Pathogen	Specimen	Lab tests	NICD Centre
<i>Streptococcus pneumoniae</i> <i>Haemophilus</i> spp. <i>Neisseria meningitidis</i> Group A streptococcus (<i>Streptococcus pyogenes</i>) Group B streptococcus (<i>Streptococcus agalactiae</i>)	All normally-sterile site specimens, e.g. CSF, blood, pleural fluid, peritoneal fluid, pericardial fluid, joint fluid, tissue, etc. In addition, for <i>Streptococcus agalactiae</i> include also non-sterile body site specimen obtained from patient with intrauterine sepsis (uterine tissue, endocervical tissue/fallopian tubes/placenta/ products of conception/ foetus.)	Culture positive OR Consistent Gram stain OR Latex positive For GAS and GBS culture and /PCR positive	CRDM 011 555 0315
<i>Vibrio cholerae</i> †† <i>Salmonella</i> Typhi <i>Salmonella enterica</i> serotype Paratyphi (A, B and C) Nontyphoidal <i>Salmonella</i> spp. <i>Shigella</i> spp. <i>Listeria</i> spp. Diarrhoeagenic <i>E. coli</i> (from rectal swab/stool only)	Any specimen	Culture positive	CED 011 555 0333
<i>Cryptococcus</i> spp. (All NHLS laboratories serving flucytosine access sites [as per table 1] including all Western Cape Province NHLS laboratories)	Any specimen	Culture positive	CHARM – MRL 011 555 0384
**Schistosoma species	Urine or stool specimen	Ova observed on microscopy	CEZPD_PRL 011 555 0311/04
**Soil-transmitted helminths (<i>Ascaris lumbricoides</i>, <i>Trichuris trichiura</i>, hookworm species (<i>Necator americanus</i>, <i>Ancylostoma duodenale</i>))	Any positive specimen	Ova, larvae and/or adult worms of <i>Ascaris lumbricoides</i> , <i>Trichuris trichiura</i> or hookworm species on micro- or macroscopy	

††*Vibrio cholerae* isolates from human and non-human (environmental) specimens. **CRDM** = Centre for Respiratory Diseases and Meningitis, **CED** = Centre for Enteric Diseases, **CHARM**-Centre for Healthcare-Associated Infections, Antimicrobial Resistance and Mycoses, **MRL** = Mycology Reference Laboratory, **CEZPD** = Centre for Emerging Zoonotic and Parasitic Diseases, **PRL** = Parasitology Reference Laboratory

**** Pilot surveillance project in two provinces; LP: Polokwane Hospital, Mankweng Hospital, Seshego Hospital and MP: Rob Ferreira Hospital, Themba Hospital**

To order a new batch of Dorset transport media, please call Mzikazi Dickmolo 011 386 6477/ Mimmy Ngomane 011 386 6235/ CED lab 011 555 0334/ 0333

Dear NHLS microbiology laboratories

Please submit cultured *Cryptococcus* isolates from any specimen site to NICD for *Cryptococcus* surveillance for flucytosine susceptibility testing. This includes all NHLS laboratories with flucytosine access sites [as per table below] and all Western Cape Province NHLS laboratories.

Table 1: Flucytosine access sites, 2018-2024

GERMS-SA sentinel site	HOSPITALS	REGION
N	BUTTERWORTH HOSPITAL	EC: BUTTERWORTH
N	CECILIA MAKIWANE HOSPITAL	EC: EAST LONDON
N	FRERE HOSPITAL	EC: EAST LONDON
N	MADWALENI HOSPITAL	EC: ELLIOTDALE
Y	DORA NGINZA HOSPITAL	EC: GQEBERHA
Y	LIVINGSTONE HOSPITAL	EC: GQEBERHA
N	ZITHULELE HOSPITAL	EC: MQANDULI
N	NELSON MANDELA ACADEMIC HOSPITAL	EC: MTHATHA
Y	PELONOMI TERTIARY HOSPITAL	FS:BLOEMFONTEIN
Y	UNIVERITAS HOSPITAL	FS:BLOEMFONTEIN
Y	CHARLOTTE MAXEKE JHB ACADEMIC HOSPITAL	GP: JOHANNESBURG
Y	HELEN JOSEPH HOSPITAL	GP: JOHANNESBURG
N	SOUTH RAND HOSPITAL	GP: JOHANNESBURG
Y	CHRIS HANI BARAGWANATH ACADEMIC HOSPITAL	GP: JOHANNESBURG
Y	GEORGE MUKHARI HOSPITAL	GP: TSHWANE
Y	KING EDWARD VIII HOSPITAL	KZN: DURBAN
Y	ADDINGTON HOSPITAL	KZN: DURBAN
N	KING DINUZULU DISTRICT HOSPITAL	KZN: DURBAN
N	MAHATMA GANDHI MEMORIAL HOSPITAL	KZN: DURBAN
N	PRINCE MSHIYENI HOSPITAL	KZN: DURBAN
Y	RKK KHAN HOSPITAL	KZN: DURBAN
N	ESHOWE HOSPITAL	KZN: ESHOWE
N	MBONGOLWANE HOSPITAL	KZN: ESHOWE
N	HLABISA DISTRICT HOSPITAL	KZN: HLABISA
Y	HARRY GWALA REGIONAL HOSPITAL	KZN: PIETERMARIZBURG
Y	GREYS HOSPITAL	KZN: PIETERMARIZBURG
Y	NORTHDALÉ HOSPITAL	KZN: PIETERMARIZBURG
N	PORT SHEPSTONE HOSPITAL	KZN: PORT SHEPSTONE
Y	MANKWENG HOSPITAL	LP: POLOKWANE
Y	SESHEGO HOSPITAL	LP: POLOKWANE
Y	PIETERSBURG (POLOKWANE) HOSPITAL	LP: POLOKWANE
N	BARBERTON HOSPITAL	MP: BARBERTON
Y	ROB FERREIRA HOSPITAL	MP: NELSPRUIT
Y	THEMBA HOSPITAL	MP: NELSPRUIT
Y	ROBERT MANGALISO SOBUKWE HOSPITAL	NC: KIMBERLEY
Y	TSHEPONG HOSPITAL	NW: KLERKSDORP

Please contact Ruth Mpembe on 011 555 0325 with any queries.