1	shishir khanal - 120	BM0939] Date .8081-1.9-0.
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REPORT MICROB		ETY AND INTRODUCTION TO
	tion to Microbiology:	
Microbiole  28 bacter  are beny	ogy: It is study of direction of an eficial to us.	ifferent microscopic organisms such protozoa. Most of these organism
Generally		vided into bacteria, virus, fungi
In bacters to catego	ia, ciram strain i e eit	ther positive or negative are used
		ding on their genomic DNA, or RN. or double stranded.
In fungi	which are unicellular	l into molds which are multicellul
There is a put into Domain?	herarchy of classification different category. So kingdom > Phylum > Class	where each organism including us from highest to lowest it is like  > Order > family > Genus > Species
Inere are Eukarya	domains on this pla	net i'e Bocheria, Archaea and
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Eukarya has four kingdoms marnely Protista, fungi, Plants on	d Animals
The nomenclature of bacteria are as follows:-  - It composed of two words  - The first word refers to Chenus and the second word re	1-
- The first word refers to Chenus and the second word me	e cers to
There are different shapes of bacteria are present such shaped, rod shaped vibrio or comma shaped, spiroche	as round te, etc
Bacteria have a genetic material, cell wall and cell member cytoplasm, flagella for locomotion, pilli for attachment surfaces, glycocalyx for protection, plasmid which extra chromosomal DNA etc	berane,_ it with is an
Biofilm is an unorganized loose structure that helps attachment.	
Porions are the transmemberance proteins that selections some molecules to pass the cytosol	vely allow.
	. 11
Mesosomes are equivalent to mitrochondria in eukaryot news in cellular respiration. These are formed by invaginable a plasma memberane.	ination of
In gram stroining, the bacteria are classified into eit positive or gram negative depending on their cell we tion and ability to retain the stain.	ther Gram all composi
tion and ability to retain the stain.	
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Chram positive bacteria have thick peptidogly can layers whereas goell wall made up of few p	wall made up of mony compacted rom negative bacteria hore a thin eptidogly can layers.
The lipo-polysachride layer is o-angligene, core polysacet	made up of 3 structures > naride, lipid (endotoxin).
Endotoxins are present only in are antiquenic which means the causing symptons of fever, we patient, e.t.c.	Gram negative bacteria, These y can elicit on immune response akness, aches or shock to the
Introduction to Microbiology	· 以及及其限制的 · · · · · · · · · · · · · · · · · · ·
Microseonically, using a 100	UX mognification,
Bacteria don't grow in size:  over a period of 6-8 hours.	they grow exponentially by number
There are 4 criteria for grande Nutritional requirement of	owing the bacteria.
Time requirement for growth  Temperature requirement	aparating for their con-
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· Culture specimens:	launot manare
- Agar is used to satisfy the nutritional req - we can take the swood, inacculate the sagar get all bacteria of it.	rolling the swab to
Types of Agar plates:	sid Casuly to any
A whole variety of agar plates	of different colours
mannitol use solt to make agar plak sele	yellow, green, organge estimation
Time requirement for growth.	
"Time requirement for growth:  Most of the backeria grow in 24 hrs of	unaerabic bacteria trok
Most of the backeria grow in 24 hrs, a 48 hrs for their growth which have slow gro	with rate we will keen
culture up to 96 hrs to 4 days to ensure pr	oper growth of bacteria.
Enviornmental condition:	RUA TANKE SES TRANSA
	here i.e 35-37°C. Yeasts
Survey transid different current see	Frank Control Park
Lab safety Orientation:	
The state of the street of the	emponentially by number
prior to the lab:	The same of the same
Dress appropriately and don't wear any ope	en-toed Slipwears.
	unique la
Take a moment to learn their operation	
The second of the second of the second	ENGLISH BURNER
uring the lab:	MARKET TO THE STATE OF THE STAT
ways wear a lab coat gloves and safety g	roogles while working in
ib.	
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Wash the hands prior to beginning of the dab	
Wash the hands prior to beginning of the dab  Tie back any long hair because it is both so  and fire hazard.	surce of contantination
and fire hazard.	man James and the second
Case to some parties of the	
Disposal of contaminated materials.	
Dispose the plastic, petri-dishes, swabs,	disposable gloves,
inoculating tools and similar non-resusable	items in the bionazaro
container.	Jensey Courses you
used microscopic Slides should be placed	in a container for
autoclaving or soaked in disinfectant solu	ution for min 30 mins.
Do not overfill the container and never of	force objects into the
container.	parioble booking sole
and how that there is a reaching to the property of the second	
Safety Consideration:	The growth of the exist
Discard the broken glass in proper con	tainer
on case of exposion of skin to microorgo wash with antiseptic	anisms, immediately
wash with antiseptic	<u> </u>
ofter 15-20 minutes, carefully wipe up the s praper towers in biohazard containers for	poill and disard the
owaner towers in bionazard containers for	auto claving.
roof to the lability	
rass appropriately and don't uses, my	ALTONOMIC STREET, STRE
Branch Scholing Bagging steers	
Take a resident to leave tone opening	
ways were a los mor gon and cole )	THE SHIP WELLIAM
mains meak of the man	
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