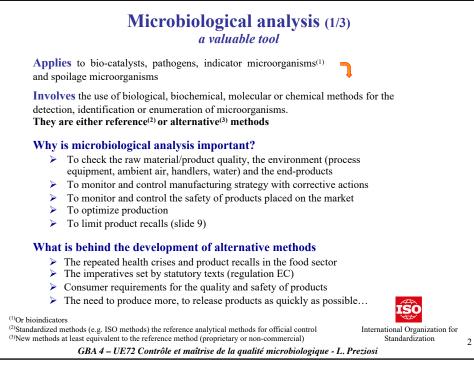
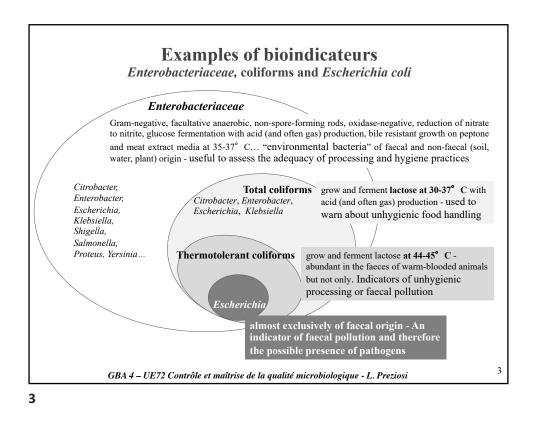
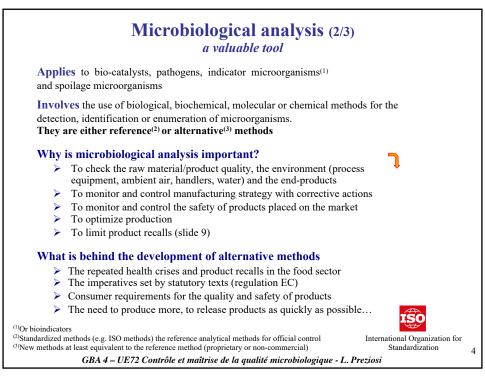
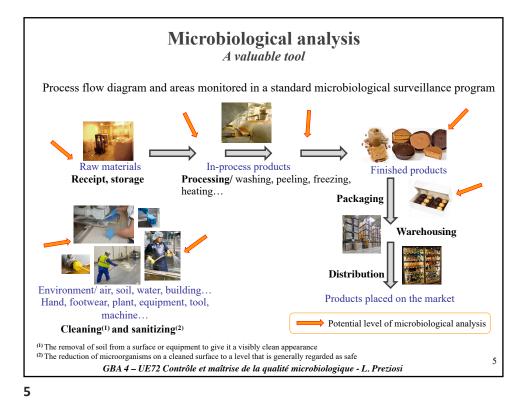
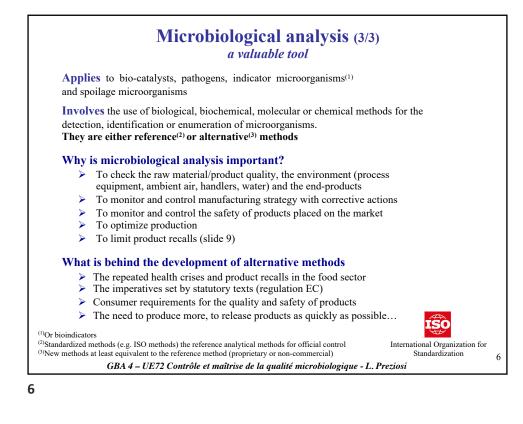
Pharmaceutical industry		cessing industr		etic industry
Meth	ods of 1	microbi	iologica	1
			U	
	an	alvsis		
		alysis	ı criteria	
		•	ı criteria	
		•	n criteria	TP3
An o		nd selection		TP3 23, 25 et 27/11
An o' Cours	verview ar	nd selection	TP2	-
Cours 14/09 (8 - 9h30)	verview ar	TP1 28 et 30/09	TP2 2, 4 et 6/11	23, 25 et 27/11



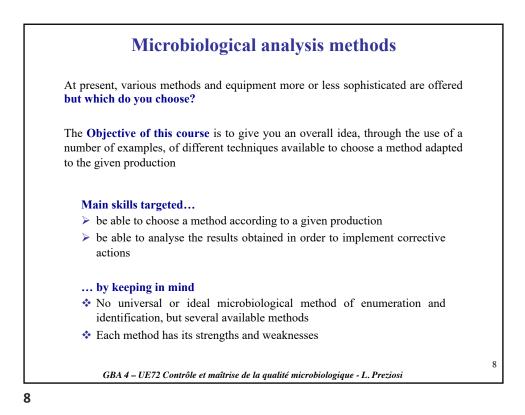


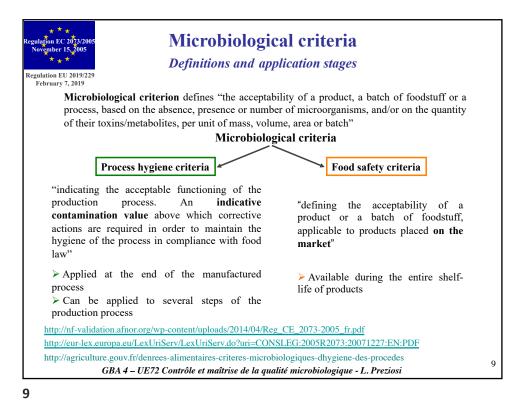


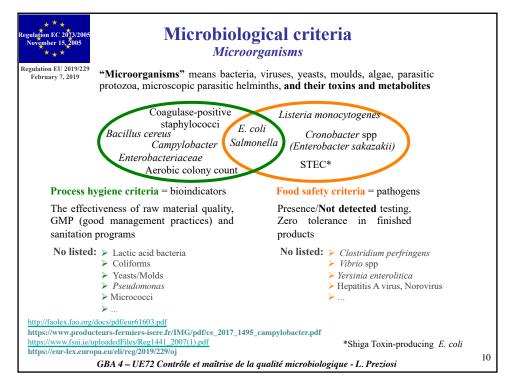






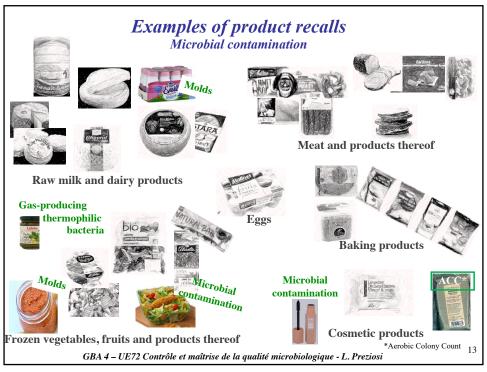






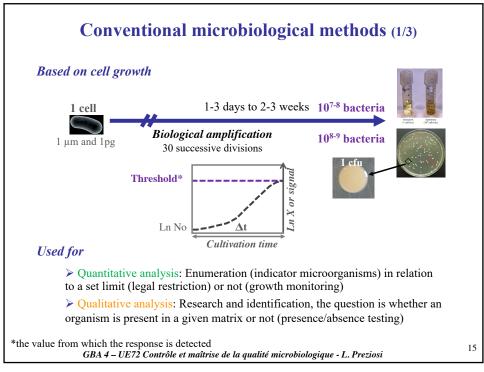




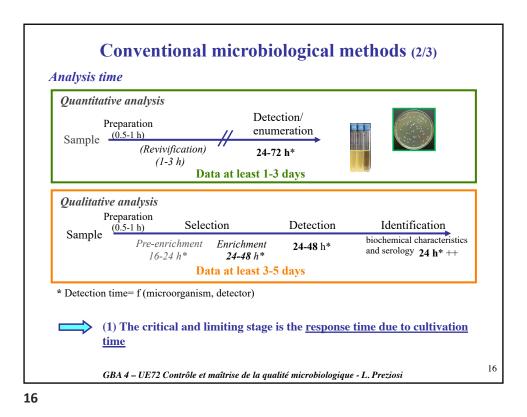


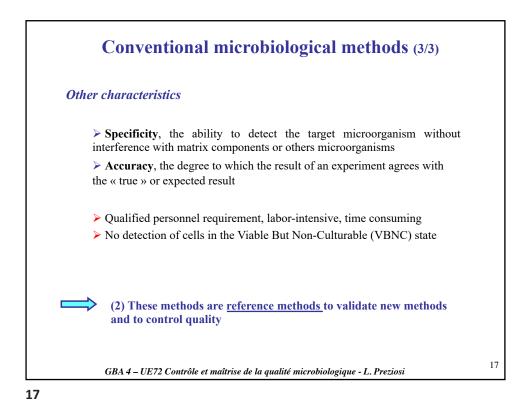


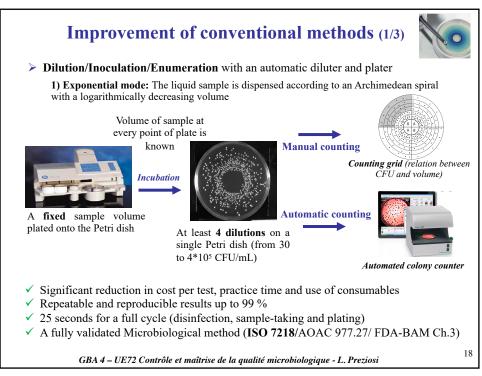
	icrobial g		
Intrinsic factors: Moisture content potential, naturally occurring and ac Extrinsic factors: types of packagin steps	Ided antimicrobials	s, competitive microfl	ora, growth
sups	aw	T° C	pH
Salmonella spp growth	> 0.94	5 – 45/47	4.2 - 9.6
L. monocytogenes growth	> 0.92	0-45/50	4.4 - 9.4
S. aureus growth	> 0.83	7 - 48	4 - 10
S. aureus toxin	> 0.88	10 - 48	4.5 - 9.6
Limits for growth when other co	nditions are near o	optimum	
Fish aw > 0.99 pH 6.6 - 6.8 Dry sausage aw 0.85 - 0.95 pH 5.0 - 5.5	Fruits/apple aw 0.97 pH 2.9 - 3.3	6	tables/onions w > 0.97 15.3 - 5.8
GBA 4 – UE72 Contrôle et i	L maîtnico do la avalitó		

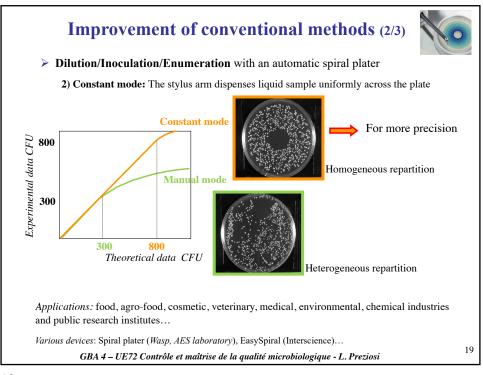














	vement of convent Selective-differential 1	
of others (SDS_bile s Differential media a	port the growth of some microorga alt, antibiotics, dyes) re used to visually distinguish mic acteristics (sugar fermentation by	nisms while inhibiting the growt roorganisms from one another
U	ctive-differential media for	
1	·	VRBL
Substrates	Peptone + YE	+
	Bile salts	1.5
Selective agents	Crystal violet	0.002
Differential agents	Lactose	+
-	Neutral red (pH indicator)	+
_	<i>u</i> ,	

