

Microbiological Monitoring of Water

EP Chapter ref 6.3

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
R2A Agar	Growth promotion	Pseudomonas aeruginosa Bacillus subtilis	30 - 35°C for ≤ 3 days	R2A Agar

Sterility Testing

EP Chapter ref 2.6.1

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Fluid Thioglycollate Medium	Growth promotion	Clostridium sporogenes Pseudomonas aeruginosa Staphylococcus aureus	30 - 35°C for ≤ 3 days	Thioglycollate USP
Soya-Bean Casein Digest Medium	Growth promotion	Aspergillus brasiliensis Bacillus subtilis Candida albicans	20 - 25°C for ≤ 5 days for fungi 20 - 25°C for ≤ 3 days for bacteria 20 - 25°C for ≤ 5 days for fungi	Tryptic Soy Broth

Microbiological Examination of Non-Sterile Products: Microbial Enumeration Tests

EP Chapter ref 2.6.12

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Casein Soya Bean Digest Broth	Growth promotion	Bacillus subtilis Pseudomonas aeruginosa Staphylococcus aureus	30 - 35°C for ≤ 3 days	Tryptic Soy Broth
Casein Soya Bean Digest Agar	Growth promotion	Bacillus subtilis Pseudomonas aeruginosa Staphylococcus aureus	30 - 35°C for ≤ 3 days	Tryptic Soy Agar
		Candida albicans Aspergillus brasiliensis	30 - 35°C for ≤ 5 days	
Sabouraud Dextrose Agar	Growth promotion	Candida albicans Aspergillus brasiliensis	20 - 25°C for ≤ 5 days	Sabouraud Dextrose Agar
Potato Dextrose Agar		Aspergillus brasiliensis		Potato Dextrose Agar (EP/USP)

Tests for Specified Micro-Organisms – EP Chapter ref 2.6.13

Tests for Bile-Tolerant Gram-Negative Bacteria

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Enterobacteria Enrichment Broth-Mossel	Growth promotion	E. coli P. aeruginosa	30 - 35°C for ≤ 24 hours	EE Broth-Mossel (EP/USP)
	Inhibitory	S. aureus	30 - 35°C for 48 hours	
Violet Red Bile Glucose Agar	Growth promotion & indicative	E. coli P. aeruginosa	30 - 35°C for ≤ 18 hours	Violet Red Bile Glucose Agar

Test for Escherichia Coli

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
MacConkey Broth	Growth promotion	E. coli	42 - 44°C for ≤ 24 hours	MacConkey Broth
	Inhibitory	S. aureus	42 - 44°C for 48 hours	
MacConkey Agar	Growth promotion & indicative	E. coli	30 - 35°C for ≤ 18 hours	MacConkey Agar (EP/USP)

Test for Salmonella

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Rappaport Vassiliadis Salmonella Enrichment Broth	Growth promotion	Salmonella enterica subsp. enterica serovar Typhimurium or Salmonella enterica subsp. enterica serovar Abony	30 - 35°C for ≤ 18 hours	Rappaport Vassiliadis Salmonella (RVS) Enrichment Broth (EP/USP)
	Inhibitory	S. aureus	30 - 35°C for 24 hours	
Xylose Lysine Deoxycholate Agar	Growth promotion & indicative	Salmonella enterica subsp. enterica serovar Typhimurium or Salmonella enterica subsp. enterica serovar Abony	30 - 35°C for ≤ 18 hours	XLD Agar (EP/USP)

Tests for Specified Micro-Organisms – EP Chapter ref 2.6.13

Tests for Pseudomonas Aeruginosa

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Cetrimide Agar	Growth promotion	P. aeruginosa	30 - 35°C for ≤ 18 hours	Cetrimide Agar
	Inhibitory	E. coli	30 - 35°C for 72 hours	

Test for Staphylococcus Aureus

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Mannitol Salt Agar	Growth promotion & indicative	S. aureus	30 - 35°C for ≤ 18 hours	Mannitol Salt Agar
	Inhibitory	E. coli	30 - 35°C for 72 hours	

Test for Clostridia

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Reinforced Medium for Clostridia	Growth promotion	Cl. Sporogenes	30 - 35°C for 48 hours (anaerobic conditions)	Reinforced Clostridial Medium
Columbia Agar	Growth promotion	Cl. Sporogenes	30 - 35°C for ≤ 48 hours (anaerobic conditions)	Columbia Agar

Test for Candidia Albicans

Recommended Culture Media	Property	Micro-organisms	Incubation Time & Temp	Corresponding Redipor Medium
Sabouraud Dextrose Broth	Growth promotion	C. albicans	30 - 35°C for ≤ 3 days	Sabouraud Dextrose Broth (EP/USP)
Sabouraud Dextrose Broth	Growth promotion & indicative	C. albicans	30 - 35°C for ≤ 24 hours	Sabouraud Dextrose Agar