

SABOURAUD DEXTROSE AGAR (SDA)/ SABOURAUD DEXTROSE AGAR + CHLORAMPHENICOL (SDA+CAF)/ SABOURAUD DEXTROSE AGAR (SDA)+ NEUTRALIZERS

APPLICATION	<p>Sabouraud Dextrose Agar (SDA) is a non selective isolation medium used for the growth and maintenance of pathogenic and non-pathogenic fungi from clinical and nonclinical specimens. It is also used for recovery and total counting of yeasts and moulds in environmental monitoring. This medium complies with the recommendations of the harmonized method in the United States Pharmacopoeia (USP) and European Pharmacopoeia (EP).</p>																				
PRINCIPLE AND INTERPRETATION	<p>Peptone provide amino acids, nitrogen, carbon, vitamins and minerals for organisms growth. Dextrose is an energy source. Agar is the solidifying agent. The high concentration of dextrose and the acidic pH of the medium permit selectivity of fungi.</p> <p>The inactivation of residues of disinfectants is critical for the detection of viable and cultivable microorganisms in pharmaceutical production environments. For this purpose, different neutralizer combinations are added to the medium used for environmental monitoring: Lecithin, Tween 80, Histidine and S-Thiosulfate.</p> <p>Lecithin neutralizes quaternary ammonium compounds, Tween 80 is effective against phenolic compounds and mercurial derivatives, Histidine inactivate aldehydes, Sodium thiosulfate neutralizes halogen compounds.</p> <p>The medium can be supplemented with chloramphenicol to increase bacterial inhibition and recovery of dermatophytes.</p>																				
MEDIUM COMPOSITION*	<p style="text-align: center;">SDA</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Glucose</td> <td style="text-align: right;">40.00 g/l</td> </tr> <tr> <td>Casein peptone</td> <td style="text-align: right;">5.00 g/l</td> </tr> <tr> <td>Animal peptone</td> <td style="text-align: right;">5.00 g/l</td> </tr> <tr> <td>Agar</td> <td style="text-align: right;">15.00 g/l</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">Final pH 5.6 ± 0.2</td> </tr> <tr> <td colspan="2">* Adjusted and /or supplemented as required to meet performance criteria</td> </tr> </table>	Glucose	40.00 g/l	Casein peptone	5.00 g/l	Animal peptone	5.00 g/l	Agar	15.00 g/l	Final pH 5.6 ± 0.2		* Adjusted and /or supplemented as required to meet performance criteria								
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	<p style="text-align: center;">SDA+ Chloramphenicol (SDA+ CAF)</p>	<p>Glucose40.00 g/l Casein peptone5.00 g/l Animal peptone5.00 g/l Chloramphenicol0.05 g/l Agar 15.00 g/l</p> <p>Final pH 5.6 ± 0.2</p> <p>* Adjusted and /or supplemented as required to meet performance criteria</p>																					
STORAGE	<p>+2 /+25°C</p> <p>Protect from light, excessive heat, moisture and freezing</p>																						
MELTING INSTRUCTIONS for media in bottle	<p>Prior to use, melt the agar using water bath at 95-100°C for 55 min or autoclave at 105°C for 5 min.</p> <p><i>Slightly open the screw cap in order to avoid pressure building before heating the media</i></p> <p>Once the agar is liquefied, allow the media to cool down in water bath at 45-50°C.</p>																						
QUALITY CONTROL	<table border="1" style="width: 100%;"> <tr> <td colspan="3" data-bbox="384 1010 1481 1077">Growth Promotion Test: 10-100 viable microorganisms¹</td> </tr> <tr> <td data-bbox="384 1077 667 1144">Control strain</td> <td data-bbox="667 1077 1054 1144">Incubation Conditions</td> <td data-bbox="1054 1077 1481 1144">Specifications</td> </tr> <tr> <td data-bbox="384 1144 667 1211"><i>C. albicans</i> ATCC 10231</td> <td data-bbox="667 1144 1054 1211">48-120 h at 22.5 ± 2.5°C</td> <td data-bbox="1054 1144 1481 1211">70%≤R%≤200%</td> </tr> <tr> <td data-bbox="384 1211 667 1279"><i>A. brasiliensis</i> ATCC 16404</td> <td data-bbox="667 1211 1054 1279">48-120 h at 22.5 ± 2.5°C</td> <td data-bbox="1054 1211 1481 1279">70%≤R%≤200%</td> </tr> <tr> <td data-bbox="384 1279 667 1346"><i>E. coli</i> ATCC 8739²</td> <td data-bbox="667 1279 1054 1346">72-120 h at 22.5 ± 2.5°C</td> <td data-bbox="1054 1279 1481 1346">Inhibited</td> </tr> <tr> <td colspan="2" data-bbox="384 1346 1054 1413">Sterility control</td> <td data-bbox="1054 1346 1481 1413">No growth</td> </tr> <tr> <td colspan="2" data-bbox="384 1413 1054 1503">Appearance</td> <td data-bbox="1054 1413 1481 1503">Amber coloured, clear to slightly opalescent gel forms in plates</td> </tr> </table>		Growth Promotion Test: 10-100 viable microorganisms ¹			Control strain	Incubation Conditions	Specifications	<i>C. albicans</i> ATCC 10231	48-120 h at 22.5 ± 2.5°C	70%≤R%≤200%	<i>A. brasiliensis</i> ATCC 16404	48-120 h at 22.5 ± 2.5°C	70%≤R%≤200%	<i>E. coli</i> ATCC 8739 ²	72-120 h at 22.5 ± 2.5°C	Inhibited	Sterility control		No growth	Appearance		Amber coloured, clear to slightly opalescent gel forms in plates
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BARCODE on media plates	<p>Data matrix code is composed of 20 digits:</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">Digits 1→2</td> <td>Media code</td> </tr> <tr> <td>Digits 3→7</td> <td>Batch number</td> </tr> <tr> <td>Digits 8→9</td> <td>Sub-batch number</td> </tr> <tr> <td>Digits 10→14</td> <td>Progressive number</td> </tr> <tr> <td>Digits 15→20</td> <td>Expiry Date (DDMMYY)</td> </tr> </table>		Digits 1→2	Media code	Digits 3→7	Batch number	Digits 8→9	Sub-batch number	Digits 10→14	Progressive number	Digits 15→20	Expiry Date (DDMMYY)											
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GENERAL WARNING NOTES	<p>Device must be handled according to asepsis precautions, of utilization of culture media is strictly referred to the type of analysis that must be done. Please refer to specific norms and procedures. Do not use if device is broken. Do not use if media shows accidental contamination signs. Do not utilize after expiry date. Let device reach room temperature before utilizing. Results interpretation must be done by qualified personnel, who must consider context of use.</p> <p>Disposal of waste must be carried out according to national and local regulation in force.</p>																						

¹ For E.coli ≥100 viable microorganisms

² Tested only for SDA+CAF

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This item is available in:

➤ Sterile bottled SDA

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
200ml	063/31PSC28.200	063/31PSC28.200.10 (10 bottles/pack)	200ml in 250ml volume, PP28Screw Cap Bottle	1 year
500ml	063/33PSC28.500	063/33PSC28.500.10 (10 bottles/pack)	500ml in 1000ml volume, PP28 Screw cap bottle	1 year
800ml	063/33PSC28.800	063/33PSC28.800.10 (10 bottles/pack)	800ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ Sterile bottled SDA+ NEUTRALIZERS

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
800ml	063RKT/33PSC28.800	063RKT/33PSC28.800.10 (10 bottles/pack)	SDA REKITT 800ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ Sterile bottled SDA+ CAF

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
200ml	1067/31PSC28.200	1067/31PSC28.200.10 (10 bottles/pack)	200ml in 250ml volume, PP28Screw Cap Bottle	1 year
400ml	1067/32PSC28.400	1067/32PSC28.400.10 (10 bottles/pack)	400ml in 500ml volume, PP28Screw Cap Bottle	1 year

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➤ Gamma irradiated SDA +NEUTRALIZERS plates

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
Ø90mm	063INHY/22	063INHY/22.100 (100 pcs/pack)	SDA + Lecithin +Tween 80 +Histidine+ S-Thiosulfate Filling volume: 30ml Packaging: Triple Wrapped Sterile (TWSI) Dose of irradiation: ≥ 25kGy	6 months
		063INHY/22.200 (200 pcs/pack)		
RODAC Ø55mm	063INHY/21	063INHY/21.120 (120 pcs/pack)	SDA + Lecithin +Tween 80 + Histidine + S-Thiosulfate Filling volume: 17ml Packaging: Triple Wrapped Sterile (TWSI) Dose of irradiation: ≥ 25kGy	6 months
		063INHY/21.240 (240 pcs/pack)		

➤ Not irradiated SDA plates

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
Ø90mm	063/10	063/10.100 (100pcs/pack)	Filling volume: 30 ml Packaging: Single wrapped (SW)	6 months

➤ Not irradiated SDA+CAF plates

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
Ø90mm	1067/10	1067/10.100 (100pcs/pack)	Filling volume: 30 ml Packaging: Single wrapped (SW)	6 months

Customized filling volumes and formulations are available upon request

To receive information please contact

info@cpcbiotech.it