

ACETATE DIFFERENTIAL AGAR

A synthetic differential medium for the differentiation of *Shigella* spp. from *Escherichia coli*.

Dehydrated media	
Code number:	500 g: ADA20500, 5 kg: ADA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,6 – 7,0

Direction: Suspend **29 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes. Allow to cool in slanted position.

Prepared media	
Bottled media:	100 ml: ADA30100, 500 ml: ADA30500
Tubed media:	100 x 12 mm: ADA40002 (2 ml, slant)
Colour:	Green
pH (25 °C):	6,7 – 6,9

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Allow to cool in slanted position. Media in tubes are ready to use.

FORMULA in g/l

Sodium acetate	2,00
Sodium chloride	5,00
Magnesium sulphate	0,20
Bromothymol blue	0,08
Buffers	2,00
Agar	19,80

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the tubed media protected from light at 2-8 °C. Use before the expiry date on the label

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Escherichia coli</i> ATCC 25922		Positive - colour change to blue	
<i>Shigella sonnei</i> ATCC 25931		Negative - no colour change	

References: Trabulsi and Ewing (1962) Public Health Lab. 20: 137.

In vitro diagnostic – for professional use only!