Medium 1A for *A. tumefaciens*

For broth: sterilize with the medium 20 ml capped tubes. Make the recipe as below, omitting the agar. Aseptically dispense into sterile tubes, 10 ml/tube, after autoclaving.

	250 ml	500 ml	1000 ml
L (-) arabitol	0.76 g	1.52 g	3.04 g
NH_4NO_3	0.04 g	0.08 g	0.16 g
KH_2PO_4	0.135 g	0.271 g	0.54 g
K_2HPO_4	0.26 g	0.52 g	1.04 g
Sodium taurocholate	0.0725 g	0.145 g	0.29 g
$MgSO_4 \cdot 7\ H_2O$	0.0625 g	0.126 g	0.25 g
Agar	3.75 g	7.5 g	15.0 g
Crystal violet, 0.1% (w/v) aqueous *	0.5 ml	1.0 ml	2.0 ml

*0.1% = 0.025 g crystal violet in 25 ml deionized water.

Add a stir bar by tilting the flask and gently sliding the stir bar down the inside of the flask, cap flask with foil and autoclave for 20 min at 15 psi and 121º C. Cool to 45-50º C, filter sterilize and add:

2 % cycloheximide**	250 µl	500 µl	1.0 ml
1% Na_2SeO_3 (anhydrous)$^+$	1.65 ml	3.3 ml	6.6 ml

Stir well on the magnetic stirrer, making sure to not create bubbles. Pour into sterile Petri dishes.

** 2% = 0.2 g cycloheximide in 9.8 ml de-ionized water.

$^+$ 1% = 0.1 g Na_2SeO_3 in 9.9 ml de-ionized water.

If using a 1% solution of $Na_2SeO_3 \cdot 5\ H_2O$, use 1 ml per 100 ml of medium

From: Brisbane, P. G. and Kerr. A. 1983. Selective media for three biovars of *Agrobacterim*. J. Appl. Bacteriol. 54:425-431