

**Supplement 1** – Tissue culture medium used for ISE establishment from leaf explants of *C. arabica* 'Catuaí Vermelho', 'Caturra' and 'Oeiras'.

Compounds	Culture medium		
	M1	M2	M3
MS (Sigma <sup>®</sup> )	2.15 g L <sup>-1</sup>	4.3 g L <sup>-1</sup>	4.3 g L <sup>-1</sup>
Gamborg's B5 vitamins	10 mL L <sup>-1</sup>	10 mL L <sup>-1</sup>	10 mL L <sup>-1</sup>
Sucrose (Sigma <sup>®</sup> )	30 g L <sup>-1</sup>	30 g L <sup>-1</sup>	30 g L <sup>-1</sup>
L-cysteine (Sigma <sup>®</sup> )	0.08 g L <sup>-1</sup>	0.04 g L <sup>-1</sup>	-
Malt extract (Sigma <sup>®</sup> )	0.40 g L <sup>-1</sup>	0.80 g L <sup>-1</sup>	-
Casein (Sigma <sup>®</sup> )	0.10 g L <sup>-1</sup>	0.20 g L <sup>-1</sup>	-
2,4-D (Sigma <sup>®</sup> )	9.06 µM	-	-
BAP (Sigma <sup>®</sup> )	4.44 µM	4.44 µM	-
GA <sub>3</sub> (Sigma <sup>®</sup> )	-	-	2.89 µM
Phytigel (Sigma <sup>®</sup> )	2.8 g L <sup>-1</sup>	2.8 g L <sup>-1</sup>	2.8 g L <sup>-1</sup>
Activated charcoal (Isofar <sup>®</sup> )	-	2.0 g L <sup>-1</sup>	-
pH	5.6	5.6	5.6

M1: callus induction and proliferation medium; M2: SE regeneration medium; M3: seedling regeneration medium.