

RUSSULA MACROCHEMICAL REACTIONS

compiled by Penny Cullington, August '05 (updated August 2012)

- Guaiac** (on stipe): ++ = strongly positive, blue/green within 30 secs; + = positive, blue/green within 1 min; V = variable;
- = weakly positive, pale tea then blue/green within 4 mins; -- = almost nil, remaining pale tea after 4 mins.
- FE** (on stipe): ++ = strongly bright salmon pink (stipe & gills?) in 15 secs; + = normal, orange/pink to dirty rust/orange in 15 secs;
- = nil / pale greyish green in 30 secs; -- = clearly dark green in 15 secs, as in xerampelina group
- other:** **Ph** = Phenol on stipe **NOT** the normal wine-brown, but blackcurrant, or some shade of pink, red, wine or negative;
KOH = yellow on inner stipe flesh, or colour change on cap; **Amm** = Ammonia pink on gills (may take 30 mins);
Sv = Sulphovanillin on stipe instant carmine pink rather than normal purple.

G	FE	other	G	FE	other	G	FE	other
acetolens	-	+	foetens	++	+	Ph		
acrifolia	++	-	font-queri	+/-	+	Ph		
adulterina	++	+	fragilis	--	+			
adusta	++	+/-	fragrantissima	++	+			
aeruginea	++	+	fusconigra					
albonigra	++?	+	galochroa	++	+			
alnetorum	+	+	gigasperma	--	+			
alutacea	+?	+	gracillima	-	+			
amarissima	+	+	grata	+/-	+			
amethystina	-(-)	+	graveolens	++	--			
amoena	+/-?	+	grisea	+	+/-			
amoenicolor	-	+	grise(a)scens	+	+	Ph		
amoenolens	++	+	helodes	-/-	+			
anatina	++	+/-	heterophylla	++	++			
anthracina	+(+)	-	illota	++	+			
aquosa	--	+	inamoena	++	++			
atramentosa	+	+	innocua	V/-				
atroglauca	+	++	insignis	+	+	KOH		
atropurpurea	++	+	integra	++	+	KOH		
atrorubens	++	+	intermedia	V/++	+	Sv		
aurantiaca		(Ph)	ionochlora	V?	+			
aurea	++	+	laccata	+/-				
aurora (= rosea)	-	+	laeta	--	+			
azurea	-	+	langei	+/-	-(-)			
badia	-(-)	+	lateritia	-	+	Ph		
betularum	--	+	lepidicolor	(-)	+	Sv		
brunneoviolacea	++	+	lilacea	V?	+			
caerulea	-	+	luteotacta	++	+			
carminipes	++	+	maculata	V?	+			
carpini	++	+	medullata	V/-	+			
cavipes	--	+	melitodes	++	+			
cessans	++	+	melliolens	++	+			
chloroides	+/-	+	melzeri	++	+			
cicatricata	+	--	minitula	--	+	Sv		
claroflava	-	+	mustelina	++	+/-			
clavipes	--		nana	+	+	Ph		
consobrina	-	+	nauseosa	+/-	+	Ph		
cremeovellanea	+/-	+	nigricans	++	-/+			
cuprea	V	+	nitida	++	+			
curtipes	++	+	nobilis	++	+			
cyanoxantha	+/-	Pallidopspurpurea	ochroleuca	++	+			
decipiens	++	+	ochrospora		+			
decolorans	V	+	odorata	++	+			
delica	+/-	+	olivacea	++	+(-)	Ph		
densifolia	++	-/-	oreina	+	--			
emetica	--	+	pallidospora	-	+			
emeticicolor	-?	+	paludososa	-	+			
faginea	++	--	parazurea	-(-)	+	Ph		
farinipes	--	+	pectinata	++	+	Ph		
fellea	-(-)	+	pectinatoides	+	+			
felleaecolor	+	--	pelargonia	V/-	+			
firmula	-	+	persicina	+/-	+			
flavispora	++	+	poichilocroa	+	+			