

Table 1. GHB diluted with deionised water.

Drug	Dilution Factor	GHB (g/250 mL)	G Test	
GHB	1:1	84.64	Y	(also gave N for K and B tests)
	1:10	15.39	Y	
	1:50	3.32	Y	
	1:100	1.68	Y	
	1:150	1.12	Y*	
	1:200	0.84	N	

Table 2. GHB diluted with aqueous vodka (to give an alcohol content of 5% v/v).

Drug	Dilution Factor	GHB (g/250 mL)	G Test	
GHB	1:1	84.64	Y	(also gave N for K and B tests)
	1:10	15.39	Y*	
	1:50	3.32	Y*	
	1:100	1.68	Y*	
	1:150	1.12	Y**	
	1:200	0.84	N	

Table 3. Sodium hydroxide (i.e. without GBL) diluted with deionised water.

Drug	Dilution Factor	G Test	
NaOH	1:1	Y	(also gave N for K and B tests)
	1:10	Y	
	1:50	Y	
	1:100	Y	
	1:150	Y	
	1:200	Y	

Key:-

Y = yes, GHB was detected, i.e. a definite blue colour was observed in the G test

Y* = only a faint blue colour was observed in the G test

Y** = only a very faint blue colour was observed in the G test

N = no, GHB was not detected, i.e. no evidence of a blue colour was observed in the G test

Table 4. Ketamine dissolved in deionised water.

Drug	Concentration (mg/250 mL)	K Test
Ketamine	600	Y (also gave N for G and B tests)
	400	Y
	250	Y
	100	Y
	75	Y
	50	Y**
	25	N

Table 5. Ketamine dissolved in aqueous vodka (to give an alcohol content of 5% v/v).

Drug	Concentration (mg/250 mL)	K Test
Ketamine	600	Y (also gave N for G and B tests)
	400	Y
	250	Y
	100	Y
	75	Y
	50	Y*
	25	Y**

Key:-

Y = yes, Ketamine was detected, i.e. an orange colour was observed in the K test

Y* = only a faint orange colour was observed in the K test

Y** = only a very faint orange colour was observed in the K test

N = no, Ketamine was not detected, i.e. no evidence of an orange colour was observed in the K test

Table 6. Rohypnol tablets dissolved in deionised water.

Drug	Concentration (mg/250 mL)	B Test	
Rohypnol	1.000	Y	(also gave N for G and K tests)
	0.750	Y	
	0.500	Y	
	0.250	Y	
	0.150	Y	
	0.125	Y	
	0.100	Y	
	0.050	Y	
	0.025	Y	
	0.010	N	

Table 7. Rohypnol tablets dissolved in aqueous vodka (to give an alcohol content of 5% v/v).

Drug	Concentration (mg/250 mL)	B Test	
Rohypnol	1.000	Y	(also gave N for G and K tests)
	0.750	Y	
	0.500	Y	
	0.250	Y	
	0.150	Y	
	0.125	Y	
	0.100	Y	
	0.050	Y	
	0.025	Y	
	0.010	N	

Key:-

Y = yes, Rohypnol was detected, i.e. only one line was observed in the B test

N = no, Rohypnol was not detected, i.e. two lines were clearly observed in the B test

Table 8. Testing of undoped alcoholic drinks.

Drink	Alcohol (% v/v)	pH	G Test	K Test	B Test
White wine	9.5	3.3	N	N	N
Red wine	11.5	3.5	N	N	N
Sherry	17.5	3.5	N	N	N
Boddingtons Draught Bitter	3.8	4.0	N	N	N
Brandy	40	4.1	N	N	N
Glenfiddich Cask Strength Whisky	51	4.0	N	N	N
Smirnoff Spiced Vanilla Vodka	37.5	4.5	N	N	N
Grand Marnier Orange Liqueur	40	3.9	N	N	N
Reef (red berry & kiwi)	5	3.3	N	N	N
Bacardi Breezer (watermelon)	5	3.2	N	N	N
Bacardi Breezer (orange & vanilla)	5	3.6	N	N	N
Baileys Irish Cream	17	6.7	N	Y	too viscous
Baileys (diluted 1:2 with water)	5.7	-	N	N	N

Table 9. Testing of undoped non-alcoholic drinks.

Drink	pH	G Test	K Test	B Test
Apple juice	3.5	N	N	N
Grapefruit juice	3.4	N	N	N
Pineapple juice	3.7	N	N	N
Ribena light (undiluted blackcurrant)	2.6	N	N	N
White grape juice	3.1	N	N	N
Tomato juice	3.9	N	N	N
Orange juice	3.7	N	N	N
Lemonade	2.7	N	N	N
Red Bull	3.4	N	N	N
Lime cordial	2.1	N	N	N*
Coca cola	2.4	N	N	N
Soda water	5.7	N	N	N
Tonic water	3.3	N	Y/N	N
Canada Dry ginger ale	2.6	N	N	N
Black coffee	-	N	N	N
Tea (without milk)	-	N	N	N
Coffee with milk	-	Y*	N	N
Tea with milk	-	Y*	N	N
Semi-skimmed milk	6.6	Y	N	N
Deionised water	5.5	N	N	N

Key:-

Y = yes, drug was detected in the specific test

Y* = faint blue/green colouration observed in G test

N = no, drug not detected in the specific test

N* = no, benzos not detected, but first line very faint in the B test

Y/N = gave an initial orange colour which then rapidly disappeared in the K test

Table 10. Reef doped with GHB (concentration study).

Drug	GHB Dil. Factor	GHB (g/250 mL)	G Test
GHB	1:40	4.13	Y
	1:50	3.32	Y*
	1:100	1.68	Y**
	1:150	1.12	Y**
	1:200	0.84	N

Table 11. Alcoholic drinks doped with GHB.

Drink	G Test		
	1:50	1:100	1:150
White wine	Y*	Y*	Y*
Red wine	Y	N	N
Sherry	N	N	N
Boddingtons Draught Bitter	Y	Y	Y
Brandy	Y	Y*	Y*
Glenfiddich Cask Strength Whisky	Y	Y**	Y**
Smirnoff Spiced Vanilla Vodka	Y*	N	N
Grand Marnier Orange Liqueur	Y*	Y**	N
Bacardi Breezer (watermelon)	Y	Y**	N
Bacardi Breezer (orange & vanilla)	Y*	Y**	N

Table 12. Non-alcoholic drinks doped with GHB.

Drink	G Test		
	1:50	1:100	1:150
Apple juice	Y*	Y*	Y**
Pineapple juice	Y	Y**	N
Ribena (undiluted blackcurrant)	Y*	N	N
Tomato juice	Y	Y**	N
Orange juice	Y	Y**	N
Coca cola	Y	Y*	N
Black coffee	Y*	Y*	Y**
Tea (without milk)	Y*	Y*	Y**
Coffee with milk	Y	Y*	Y*
Tea with milk	Y	Y*	Y*
Semi-skimmed milk	Y	Y	Y*

Key:-

Y = yes, GHB was detected, i.e. a definite blue colour was observed in the G test

Y* = only a faint blue colour was observed in the G test

Y** = only a very faint blue colour was observed in the G test

N = no, GHB was not detected, i.e. no evidence of a blue colour was observed in the G test

Table 13. Bacardi Breezer (Orange & Vanilla) doped with Ketamine (concentration study).

Drug	Concentration (mg/250 mL)	K Test
Ketamine	500	Y
	250	Y
	100	Y*
	50	N

Table 14. Alcoholic drinks doped with Ketamine.

Drink	K Test (250 mg/250 mL)
White wine	Y
Red wine	Y
Sherry	Y
Boddingtons Draught Bitter	Y
Brandy	Y
Glenfiddich Cask Strength Whisky	Y (orange colour took longer to develop)
Smirnoff Spiced Vanilla Vodka	Y
Grand Marnier Orange Liqueur	Y
Reef (red berry & kiwi)	Y
Bacardi Breezer (watermelon)	Y
Bacardi Breezer (orange & vanilla)	Y

Table 15. Non-alcoholic drinks doped with Ketamine.

Drink	K Test (250 mg/250 mL)
Apple juice	Y
Grapefruit juice	Y
Pineapple juice	Y
Ribena (undiluted blackcurrant)	Y
Tomato juice	Y
Orange juice	Y
Coca cola	Y
Black coffee	Y
Tea (without milk)	Y
Coffee with milk	Y
Tea with milk	Y
Semi-skimmed milk	N (produced a white spot with no orange hal)

Key:-

Y = yes, Ketamine was detected, i.e. an orange colour was observed in the K test

Y* = only a faint orange colour was observed in the K test

N = no, Ketamine was not detected, i.e. no evidence of an orange colour was observed in the K test

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Table 16. Reef doped with Rohypnol (concentration study).

Drug	Concentration (mg/250 mL)	B Test
Rohypnol	1.000	Y*
	0.750	Y*
	0.500	N
	0.375	N
	0.250	N
	0.125	N

Table 17. Effect of alcohol concentration on Rohypnol detection in the B test.

Alcohol (% v/v)	B Test (0.1 mg/250 mL)
5	Y
10	Y
20	Y*
30	N

Key:-

Y = yes, Rohypnol was detected, i.e. only one line was observed in the B test

Y* = yes, Rohypnol was detected, but some evidence of a very very faint first line

N = no, Rohypnol was not detected, i.e. two lines were clearly observed in the B test

Table 18. Alcoholic drinks doped with Rohypnol.

Drink	B Test (0.25 mg/250 mL)	B Test (1.00 mg/250 mL)	B Test (1.50 mg/250 mL)
White wine	N	Y	-
Red wine	N	Y	-
Sherry	N	Y*	-
Boddingtons Draught Bitter	Y	Y	-
Brandy	Y*	Y*	-
Glenfiddich Cask Strength Whisky	N	N	Y*
Smirnoff Spiced Vanilla Vodka	N	Y*	-
Grand Marnier Orange Liqueur \$	N	Y*	-
Reef (red berry & kiwi)	N	Y*	-
Bacardi Breezer (watermelon)	Y	Y	-
Bacardi Breezer (orange & vanilla)	N	Y*	-

Table 19. Non-alcoholic drinks doped with Rohypnol.

Drink	B Test (0.25 mg/250 mL)	B Test (1.00 mg/250 mL)
Apple juice	N	Y*
Graprefruit juice	N	Y*
Pineapple juice	N	Y
Ribena Light (undiluted blackcurrant)	N	Y*
Tomato juice	Y	Y
Orange juice	N	Y*
Coca cola	Y*	Y*
Black coffee	Y*	Y
Tea (without milk)	Y*	Y
Coffee with milk	Y*	Y
Tea with milk	Y*	Y
Semi-skimmed milk	Y*	Y

Key:-

Y = yes, Rohypnol was detected, i.e. only one line was observed in the B test

Y* = yes, Rohypnol was detected, but some evidence of a very very faint first line

N = no, Rohypnol was not detected, i.e. two lines were clearly observed in the B test

\$ = very slow moving up test strip