

REPORT ON WASPS EXERCISE W06/07

LABORATORY CODE NUMBER 00

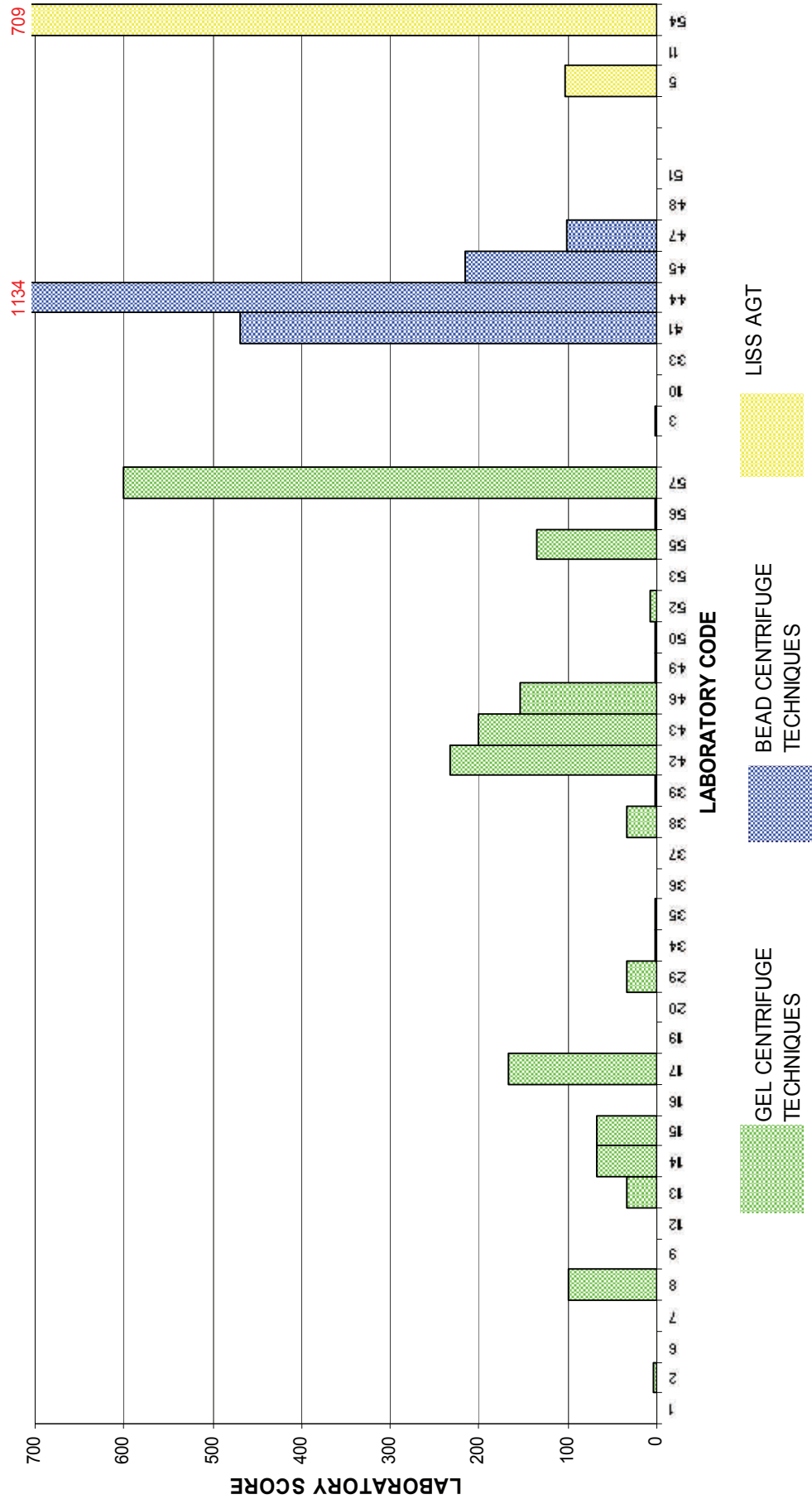
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2. CUMULATIVE LABORATORY SCORE FOR THE LAST THREE EXERCISES

W06/07



4. EXERCISE DETAILS

AIM OF EXERCISE

The exercise examined performance in compatibility testing using anti-E, anti-Jk^a and anti-D against group O R₁R₂ Jk(a+b+), rr Jk(a+b+) and R₁r Jk(a+b+) cells.

FORMULATION OF EXERCISE W06/07

	CELL W	CELL Y	CELL Z
Probable Phenotype	R ₁ R ₂ Jk(a+b+)	rr Jk(a+b+)	R ₁ r Jk(a+b+)

SERUM 1	SERUM 2	SERUM 3	SERUM 4
Anti-E	Anti-Jk ^a	Inert	Anti-D (0.05iu)

5. RESULTS OF EXERCISE W06/07

DETECTION RATE

- * The anti-E vs R₁R₂ cells was detected in 540/540 instances (100%).
- * The anti-Jk^a vs Jk(a+b+) cells was detected in 1615/1620 instances (99.7%).
- * The anti-D vs R₁R₂/R₁r cells was detected in 1054/1080 instances (97.6%).
- * False positive reactions were recorded in 3/3240 instances (0.001%).

TECHNIQUES PERFORMED

Techniques performed	% Participants
LISS AGT	10
Gel Technique	68
Bead Technique	22

MODAL REACTION GRADE FOR EACH SERUM CELL COMBINATION

	SERUM 1			SERUM 2			SERUM 3			SERUM 4		
	W	Y	Z	W	Y	Z	W	Y	Z	W	Y	Z
LISS AGT	3	0	0	3	3	3	0	0	0	2	0	2
GEL TECHNIQUE	3	0	0	2	3	3	0	0	0	2	0	2
BEAD TECHNIQUE	3	0	0	2	3	2	0	0	0	2	0	1
OVERALL MODE	3	0	0	2	3	3	0	0	0	2	0	2

REPORT CONCLUSIONS

- ❖ The results from the confirmation laboratories indicate that any failure to detect antibody is not attributable to the technique used for the exercise. Nine laboratories from a total of 43 were deemed unsatisfactory in this exercise.
- ❖ Individually, twelve Biovue users, nine Diamed users and five LISS/AGT users recorded missed incompatibilities against either the R₁r or R₁R₂ cells. Three Diamed users and one LISS/AGT user recorded missed incompatibilities against Jk(a+b+) cells.
- ❖ Three false positive reactions were recorded, two by LISS/AGT users and one by a Diamed user.
- ❖ The cells for each exercise are presented as a washed 2.5 - 3% suspension in Modified Alsevers. Laboratories must ensure that these cells are modified in line with the manufacturer's recommendations for the technology in use prior to testing.

