

REPORT ON WASPS EXERCISE W10/05

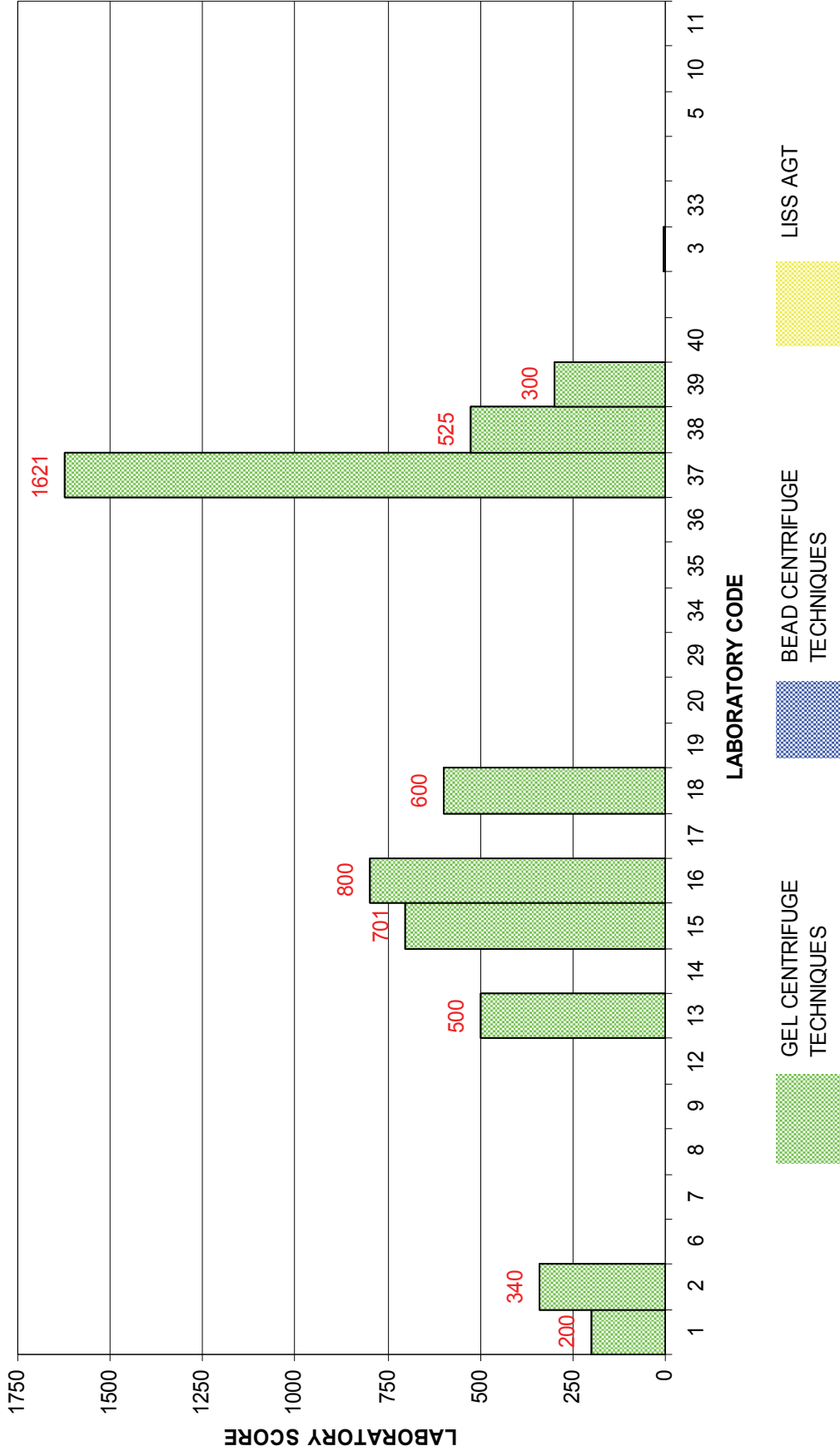
LABORATORY CODE NUMBER 00

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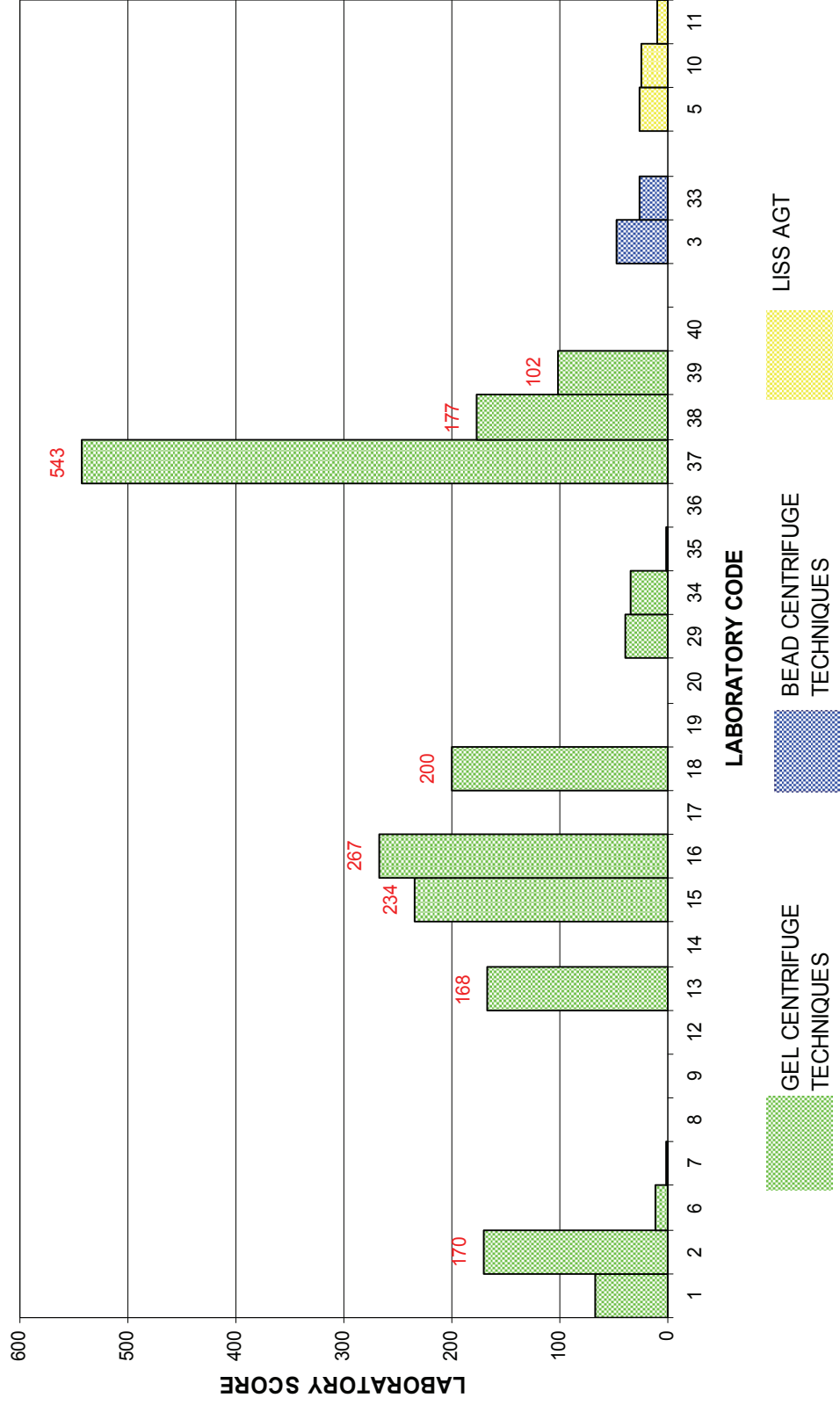


1. LABORATORY SCORE FOR EXERCISE W10/05



2. CUMULATIVE LABORATORY SCORE FOR THE LAST THREE EXERCISES

W10/05



4. EXERCISE DETAILS

AIM OF EXERCISE

The exercise examined performance in compatibility testing using anti-E against group O R₁R₂ cells.

FORMULATION OF EXERCISE W10/05

	CELL W	CELL Y	CELL Z
Probable Phenotype	R ₁ R ₂	R ₁ R ₂	R ₁ R ₂

SERUM 1	SERUM 2	SERUM 3	SERUM 4
Inert	Anti-E	Anti-E	Inert

5. RESULTS OF EXERCISE W10/05

DETECTION RATE

- * The anti-E (serum 2) vs R₁R₂ cell was detected in 890/945 instances (94.2%).
- * The anti-E (serum 3) vs R₁R₂ cell was detected in 1017/1017 instances (100%)
- * No false positive reactions were recorded.

TECHNIQUES PERFORMED

Techniques performed	% Participants
LISS AGT	15
Gel Technique	78
Bead Technique	7

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	0	0	0	2	2	2	3	3	3	0	0	0
GEL TECHNIQUE	0	0	0	1	1	1	3	3	3	0	0	0
BEAD TECHNIQUE	0	0	0	0	0	0	2	2	2	0	0	0
OVERALL MODE	0	0	0	1	1	1	3	3	3	0	0	0

REPORT CONCLUSION

- ❖ The results from the independent confirmatory laboratories indicate that any failure to detect antibody **may** be attributable to the technique used for the exercise. The Biovue confirmatory laboratory failed to detect the anti-E in serum 2, hence it has been decided to make it non-scoring for Biovue users.
- ❖ Diamed users recorded 55 missed incompatibilities. Where incompatibilities have been recorded it has been noted that other individuals within the same laboratory have detected the antibody at a later date. This suggests that the preparation of the cell suspension by each participant is a critical feature of the testing process.
- ❖ Tests conducted by the Diamed and LISS AGT confirmatory laboratories indicate that the antibody showed no deterioration over the course of the exercise and was detected post-expiry.