

REPORT ON WASPS EXERCISE W10/06

LABORATORY CODE NUMBER 99

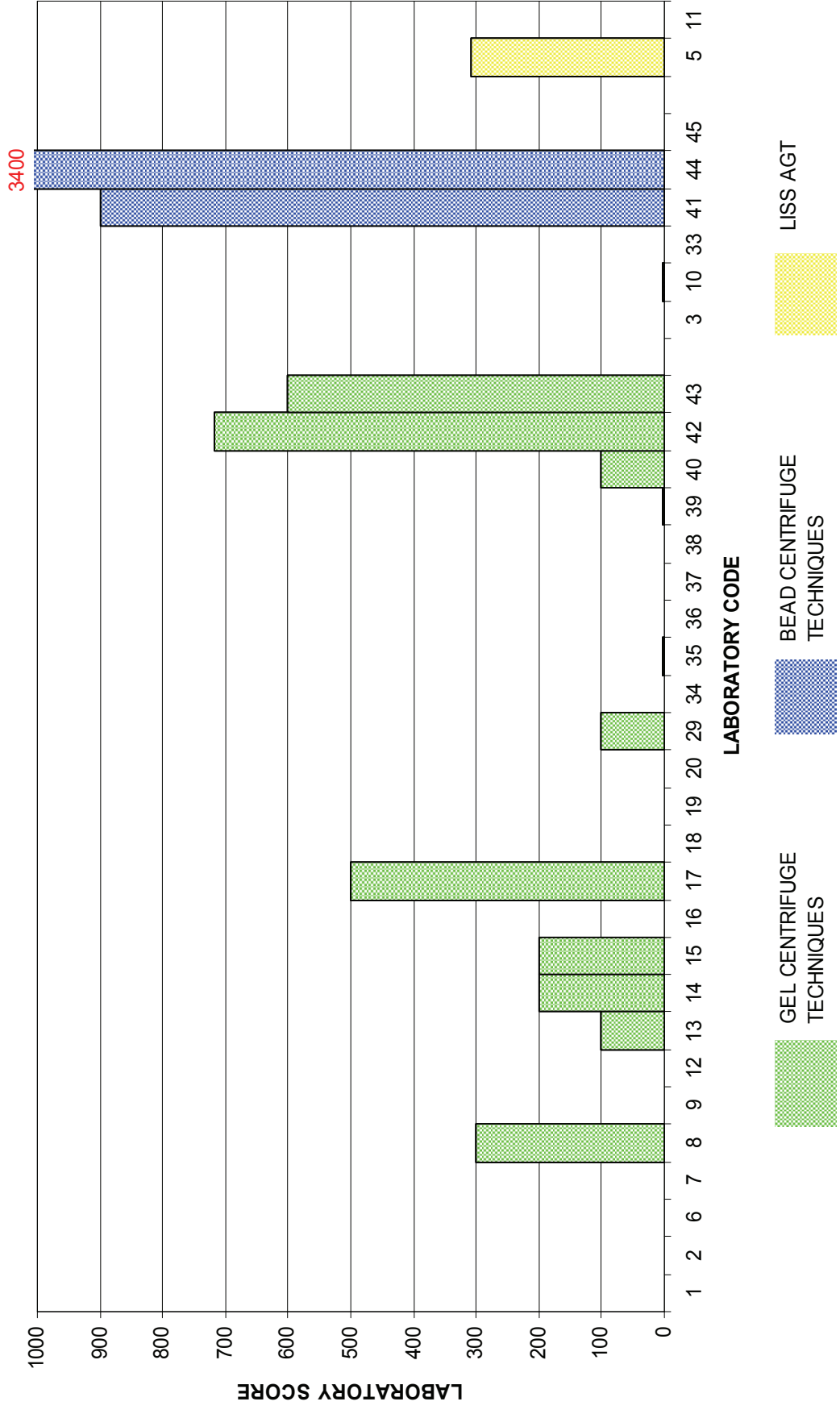
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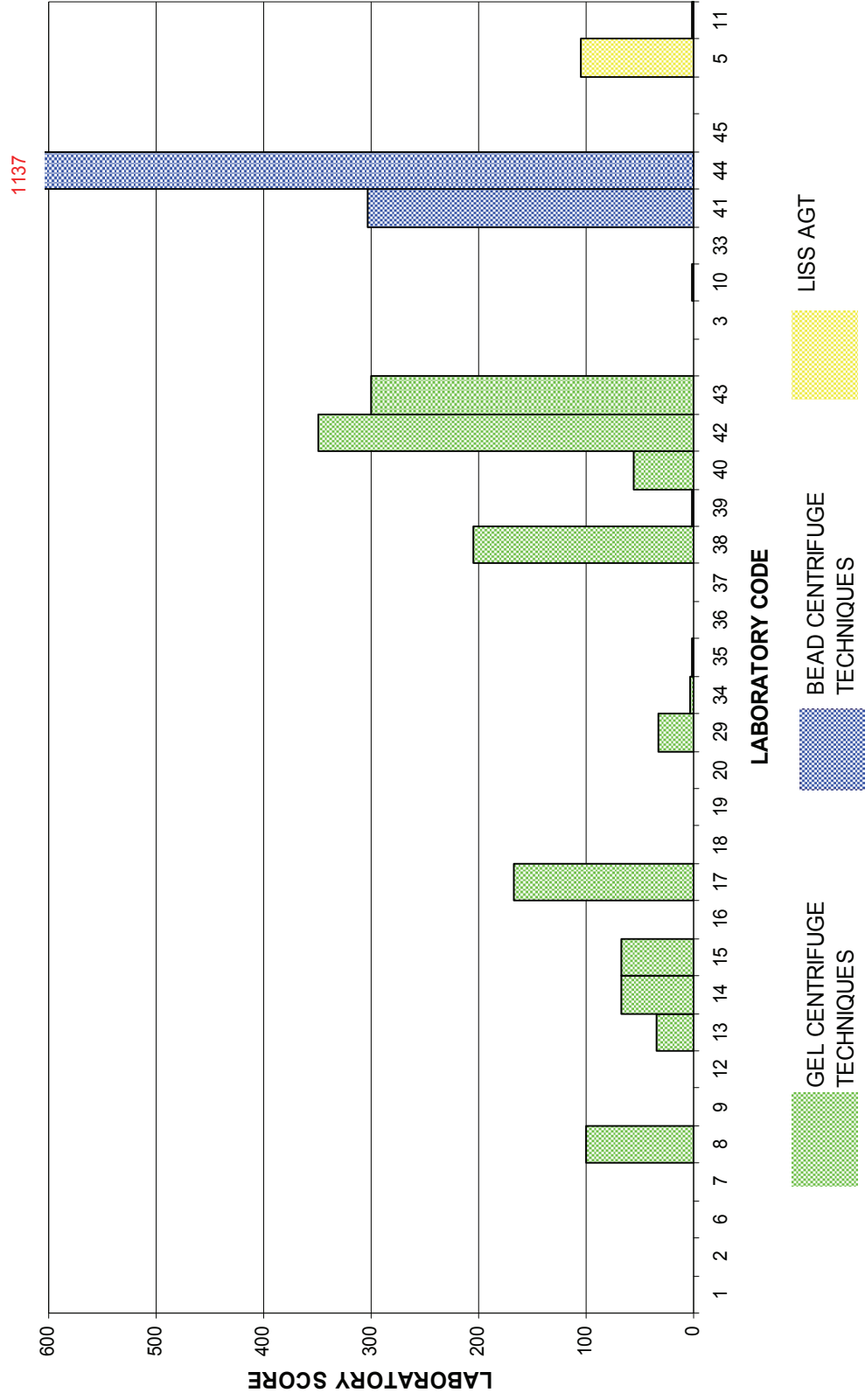
Accredited EQA scheme
Reference No: 103/0205

1. LABORATORY SCORE FOR EXERCISE W10/06



2. CUMULATIVE LABORATORY SCORE FOR THE LAST THREE EXERCISES

W10/06



4. EXERCISE DETAILS

AIM OF EXERCISE

The exercise examined performance in compatibility testing using anti-D against group O R_{1r} cells.

FORMULATION OF EXERCISE W10/06

	CELL W	CELL Y	CELL Z
Probable Phenotype	R _{1r}	R _{1r}	R _{1r}

SERUM 1	SERUM 2	SERUM 3	SERUM 4
Anti-D (0.1iu)	Anti-D (0.05iu)	Anti-D (0.05iu)	Anti-D (0.2iu)

5. RESULTS OF EXERCISE W10/06

DETECTION RATE

- * The anti-D vs R_{1r} cells was detected in 4750/4824 instances (98.5%).
- * The anti-D (Serum 1) vs R_{1r} cells was detected in 1147/1206 (95.1%).

TECHNIQUES PERFORMED

Techniques performed	% Participants
LISS AGT	9
Gel Technique	72
Bead Technique	19

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

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. The modal reactions for serum one would suggest that this was the weakest antibody used, however the quantitation result suggests that this antibody may be of a lower affinity and/or avidity.
- ❖ Twelve laboratories from a total of 33 were deemed to be unsatisfactory in this exercise. Seventy-four missed incompatibilities were recorded, 34 by Biovue users, 28 by Diamed users and 3 by tube LISS users.
- ❖ 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.

6. LABORATORY PARTICIPATION RATES

