



LIFECODES **SeraClean™**

For the Clearest Results

Reduce troublesome high background in serum samples... ideal for Luminex-based assays

High background serum makes detection and identification of HLA antibodies difficult. SeraClean™ removes the background in a high percentage of samples without compromising sensitivity or specificity in a Luminex based assay. Data from two independent evaluations revealed reduction of background to normal levels (1, 2). Laboratory 1 showed a reduction in background to normal levels in 26 of 33 (79%) high background sera while Laboratory No. 2 showed a reduction to normal levels in 17 of 18 (94%) high background sera.

Results before and after treatment with SeraClean™

SeraClean™	NOM	CON1	CON2	CON3	MFI class I	Score class I	MFI class II	Score class II	Identification class I	Identification class II
Before	S1	373	2833	2856	1252	1	493.5	0		
After	S1	128	75.5	111	1752	3	655	3	CREG 7C (transplant B7)	DR51 (transplant DR15)
Before	S2	1112	2884	2707	3559	1	1628	0		
After	S2	197	222	193	2728	3	1178.5	3	A2, 28	DR7 r=1
Before	S3	356.5	2602	2557	1487	1	848	0		
After	S3	154	142	151	1037	3	602.5	1	65% PRA Polyspecific	DR7 + DR9
Before	S4	2506	3066	2972	2604	0	2089.5	0		
After	S4	71	51.5	54.5	168	0	598	3		DQ7 (r = 0,9) + DR14

Note: Score is the number of control beads against which the serum is positive. A score of one or more is considered positive.

Protocol:

Step 1: Add 4µl of SeraClean™ to 20µl of serum and vortex for 30 seconds.

Step 2: Mix on rotator for 30 minutes at RT.

Step 3: Centrifuge treated serum for 3 minutes at 15,000 x g to pellet SeraClean™ beads.

Step 4: Pipette off 12.5µl of the serum to use in the antibody detection assay.

REFERENCES

1. Dr. Guignier, Laboratoire d'ImmunoGénétique, EFS Bourgogne Franche-Comté, Dijon, France
2. Danskine, AJ¹, Smith, JD¹, Rose ML², ¹Tissue Typing Laboratory, Harefield Hospital, Harefield, Middlesex, UK, ²Imperial College, London, UK

Product Information

CAT NO.	DESCRIPTION
628222	SeraClean™ 100µl vial suitable for the treatment of 25 samples

Visit www.tepnel.com or contact us:

Tepnel Lifecodes Corporation

550 West Avenue, Stamford, CT 06902
1.888.329.0255 • FAX: 1.203.328.9599

Europe: Heuvelstraat 60, B-2560 Nijlen, Belgium
+32.3.385.47.91 • FAX: +32.3.385.47.92

LC973.0

