

Dr Susan Jane Thorpe

Publications

SJ Thorpe, BJ Fox, CD Dolman and R Thorpe. Anti-A and anti-B activity in batches of different intravenous immunoglobulin products determined using a direct haemagglutination method. *Biologicals* 33, 111-116 (2005).

SJ Thorpe, B Fox, A Heath, C Dolman, ML Virata, M-Y W Yu and R Thorpe. International collaborative study to evaluate a candidate reference preparation to define an appropriate specified limit of anti-D in IVIG products. *Vox Sang* 88, 278-287 (2005).

SJ Thorpe, B Fox, AB Heath, M Scott, M de Haas, S Kochman and A Padilla. An International Standard for minimum potency of anti-D blood grouping reagents: evaluation of a candidate preparation in an international collaborative study. *Vox Sang* 90, 131-139 (2006).

SJ Thorpe, B Fox, A Heath, M-E Behr-Gross, ML Virata and MW Yu. International collaborative study to assess candidate reference preparations to control the level of anti-D in IVIG for use in Europe and the United States. *Biologicals* 34, 209-212 (2006).

SJ Thorpe, B Fox, A Heath, M-E Behr-Gross, ML Virata and MW Yu. International collaborative study to establish immunoglobulin (anti-D test) BRP Batch 1. *Pharmeuropa Bio* 1, 49-56 (2006).

SJ Thorpe, B Fox, AB Heath, M Scott, M de Haas, S Kochman and A Padilla. International Standards for minimum potency of anti-A and anti-B blood grouping reagents: evaluation of candidate preparations in an international collaborative study. *Vox Sang* 91, 336-344 (2006).

SJ Thorpe, A Heath, S Blackmore, A Lee, M Hamilton, S O'Broin, BC Nelson and C Pfeiffer. An international standard for serum vitamin B12 and serum folate: international collaborative study to evaluate a batch of lyophilized serum for B12 and folate content. *Clin Chem Lab Med* 45, 380-386 (2007).

M Frøyland, KM Thompson, SJ Thorpe, SS Sahota, T Gedde-Dahl and B Bogen. A VH4-34+ myeloma protein with weak autoreactivity. *Haematologica* 92, 696-699 (2007).

R Stebbings, L Findlay, C Edwards, D Eastwood, C Bird, D North, Y Mistry, P Dilger, E Liefoghe, I Cludts, B Fox, G Tarrant, J Robinson, T Meager, C Dolman, SJ Thorpe, A Bristow, M Wadhwa, R Thorpe and S Poole. 'Cytokine storm' in the phase I trial of monoclonal antibody TGN1412: better understanding the causes to improve preclinical testing of immunotherapeutics. *J Immunol* 179, 3325-3331 (2007).

SJ Thorpe, C Ball, B Fox, KM Thompson, R Thorpe and A Bristow. Anti-Rh D and anti-i activities are inseparable in V₄₋₃₄-encoded monoclonal anti-Rh D: the same framework 1 residues are required for both reactivities. *Transfusion* 48, 930-940 (2008).

S Blackmore, M Hamilton, A Lee, M Worwood, M Brierley, A Heath and SJ Thorpe. Automated immunoassay methods for ferritin: recovery studies to assess traceability to an International Standard. *Clin Chem Lab Med* 46, 1450-7 (2008).

SJ Thorpe, B Fox, G Sharp, AB Heath, M-E Behr-Gross, E Terao, ML Virata-Theimer and MW Yu. International collaborative study to evaluate candidate reference reagents to standardise haemagglutination testing for anti-A and anti-B in normal intravenous immunoglobulin products. *Vox Sang* 97, 160-168 (2009).

AF Labrijn, AO Buijsse, ETJ van den Bremer, AYW Verwilligen, SJ Thorpe, J Killestein, CH Polman, RC Aalberse, J Schuurman, JGJ van de Winkel and PWHI Parren. Therapeutic IgG4 antibodies engage in Fab-arm exchange with patients' IgG4 in vivo. *Nature Biotech* 27, 767-71 (2009).

SJ Thorpe. The development and role of international biological reference materials in the diagnosis of anaemia. *Biologicals* 38, 449-458 (2010).

SJ Thorpe, B Fox, G Sharp, AB Heath, M-E Behr-Gross, E Terao, ML Virata-Theimer and MW Yu. International collaborative study to establish reference preparations to standardise haemagglutination testing for anti-A and anti-B in normal intravenous immunoglobulins by the direct method. *Pharmeuropa Bio Sci Notes* 2010-1: 39-50 (2010).

SJ Thorpe, A Heath, G Sharp, J Cook, R Ellis and M Worwood. A WHO Reference Reagent for the Serum Transferrin Receptor (sTfR): international collaborative study to evaluate a recombinant soluble transferrin receptor preparation. *Clin Chem Lab Med* 48, 815-820 (2010).

RGA Jones, Y Liu, C Halls, SJ Thorpe, C Longstaff, P Matejtschuk and D Sesardic. Release of proteolytic activity following reduction in therapeutic human serum albumin containing products: Detection with a new neopeptide endopeptidase immunoassay. *Journal of Pharmaceutical and Biomedical Analysis* 54, 74-80 (2010).

TP Frandsen, H Næsted, SK Rasmussen, P Hauptig, FC Wiberg, LK Rasmussen, AM Valentin Jensen, P Persson, M Wikén, A Engström, Y Jiang, SJ Thorpe, C Förberg and AB Tolstrup. Consistent manufacturing and quality control of a highly complex recombinant polyclonal antibody product for human therapeutic use. *Biotechnology & Bioengineering* 108, 2171-2181 (2011).

EA Yetley, CM Pfeiffer, KW Phinney, Z Fazili, DA Lacher, RL Bailey, S Blackmore, JL Bock, LC Brody, R Carmel, LR Curtin, RA Durazo-Arvizu, JH Eckfeldt, R Green, JF Gregory III, AN Hoofnagle, DW Jacobsen, PF Jacques, AM Molloy, J Massaro, JL Mills, E Nexo, JI Rader, J Selhub, C Sempos, B Shane, S Stabler, P Stover, T Tamura, A Tedstone, SJ Thorpe, PM Coates, CL Johnson, MF Picciano. Biomarkers of folate status in NHANES. *American Journal of Clinical Nutrition*. *American Journal of Clinical Nutrition* 94 (suppl) (2011).

EA Yetley, CM Pfeiffer, KW Phinney, Z Fazili, DA Lacher, RL Bailey, S Blackmore, JL Bock, LC Brody, R Carmel, LR Curtin, RA Durazo-Arvizu, JH Eckfeldt, R Green, JF Gregory III, AN Hoofnagle, DW Jacobsen, PF Jacques, AM Molloy, J Massaro, JL Mills, E Nexo, JI Rader, J Selhub, C Sempos, B Shane, S Stabler, P Stover, T Tamura, A Tedstone, SJ Thorpe, PM Coates, CL Johnson, MF Picciano. Biomarkers of folate status in NHANES. *American Journal of Clinical Nutrition*. *American Journal of Clinical Nutrition* 94 (suppl) (2011).

L Findlay, G Sharp, B Fox, C Ball, CJ Robinson, C Bird, R Stebbings, D Eastwood, M Wadhwa, S Poole, R Thorpe, SJ Thorpe. Endothelial cells co-stimulate peripheral blood mononuclear cell responses to monoclonal antibody TGN1412 in culture. *Cytokine* 55, 141–151 (2011).

L Findlay, D Eastwood, C Ball, J Robinson, C Bird, M Wadhwa, SJ Thorpe, R Thorpe, R Stebbings, S Poole. Comparison of novel methods for predicting the risk of pro-inflammatory clinical infusion reactions during monoclonal antibody therapy. *Journal of Immunological Methods* 371, 134-142 (2011).

C Ball, B Fox, S Hufton, G Sharp, S Poole, R Stebbings, D Eastwood, L Findlay, PWHI Parren, R Thorpe, A Bristow & SJ Thorpe. Antibody C region influences TGN1412-like functional activity in vitro. *J Immunol* 189: 5831-5840. doi:10.4049/jimmunol.1201795 (2012).

J Boyle, SJ Thorpe, JR Hawkins, C Lockie, B Fox, P Matejtschuk, C Halls, P Metcalfe, P Rigsby, S Armstrong-Fisher, AM Varzi, S Urbaniak & G Daniels. International Reference Reagents to standardise blood group genotyping: evaluation of candidate preparations in an international collaborative study. *Vox Sang* 104: 144–152 (2013).

Eastwood D, Bird C, Dilger P, Hockley J, Findlay L, Poole S, Thorpe SJ, Wadhwa M, Thorpe R, Stebbings R. Severity of the TGN1412 trial disaster cytokine storm correlated with IL-2 release. *Brit J Clin Pharmacol* 76: 299–315 (2013).

SJ Thorpe, R Stebbings, L Findlay, D Eastwood, S Poole, R Thorpe. How predictive are in vitro assays for cytokine release syndrome in vivo? A comparison of methods reveals worrying differences in sensitivity and frequency of response. *Cytokine* 64: 471-472 (2013).

SJ Thorpe, R Stebbings, L Findlay, D Eastwood, S Poole, R Thorpe. Reply to the Response from Babette Wolf et al. to our Letter to the Editor: How predictive are in vitro assays for cytokine release syndrome in vivo? A comparison of methods reveals worrying differences in sensitivity and frequency of response. *Cytokine* 64: 476 (2013).

MJ Desborough, J Miller, SJ Thorpe, MF Murphy, SA Misbah. Intravenous immunoglobulin-induced haemolysis: a case report and review of the literature. *Transfusion Medicine*, DOI: 10.1111/tme.12083 (2013).

SJ Thorpe, A Heath, B Fox, D Patel and W Egner. The 3rd International Standard for serum IgE: International collaborative study to evaluate a candidate preparation. *Clinical Chemistry and Laboratory Medicine*. DOI 10.1515/cclm-2014-0243 (2013).

J W van der Laan, C Herberts, D Jones, SJ Thorpe, R Stebbings, R Thorpe. Chapter 11. The Non-Clinical Evaluation of Biotechnology-Derived Pharmaceuticals, Moving on after the TeGenero case. In: *Molecular Immunotoxicology*. eds Emanuela Corsini and Henk van Loveren; Wiley. In press.