

Publication by BBMRI.at partner Med Uni Wien Biobank

Delays during PBMC isolation have a moderate effect on yield, but severely compromise cell viability

Clin Chem Lab Med. 2022 Jan 27

One of BBMRI.at's core competences is quality management and a particular focus is put on the pre-analytical phase, which can significantly alter an analytical outcome and lead to incorrect results. Experts at Med Uni Wien Biobank therefore investigate a critical step during the isolation of peripheral blood mononuclear cells (PBMCs). PBMCs are widely used in clinical routine and research.

Their studies show that a 24h delayed processing of cells after Ficoll gradient centrifugation led to substantial decrease in cell viability with increased apoptosis.

[For details see original publication>](#)

Golke T, Mucher P, Schmidt P, Radakovics A, Repl M, Hofer P, Perkmann T, Fondi M, Schmetterer KG, Haslacher H. **Delays during PBMC isolation have a moderate effect on yield, but severely compromise cell viability.** Clin Chem Lab Med. 2022 Jan 27. doi: 10.1515/cclm-2022-0003. Epub ahead of print. PMID: 35085430.

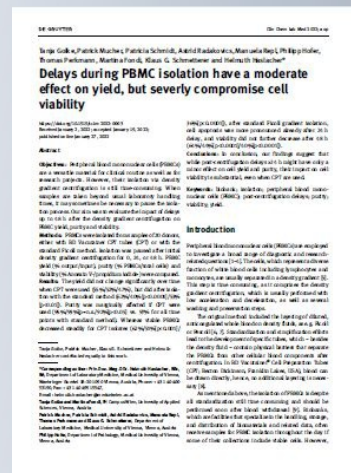


Image: Clin Chem Lab Med. 2022 Jan 27