

Bence-Jones protein

Bence-Jones protein is a paraprotein formed by monoclonal immunoglobulin light chains. It occurs in some blood diseases, especially myeloma. It forms paraprotein crystals that settle in the kidney tubules and thus can cause severe kidney damage. If the **Bence-Jones protein** appears in the blood and urine, it is a so-called micromolecular gammopathy. Detection of paraprotein is performed by immunoelectrophoresis of urine.

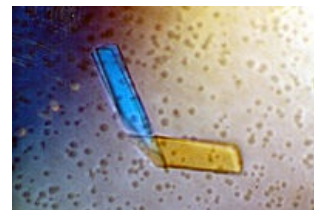
Links

related articles

- Crystals
- Determination of protein in urine
- Proteinuria
- Plasmacytoma
- Urine/chemical examination

Resources

- VOKURKA, Martin, et al. *Velký lékařský slovník*. 7. edition. Praha : Maxdorf, 2007. ISBN 978-80-7345-130-1.



Bence-Jones paraprotein crystals