

Shrivastava J, Mahadik KR, Dhaneshwar S. HPTLC method for simultaneous quantitation of thiocolchicoside, paracetamol and aceclofenac in bulk drug and formulation. *Bull. Pharm. Res.* 2014;4(2):94-9.

**Abstract:** A simple, precise and accurate HPTLC method was developed for the simultaneous estimation of thiocolchicoside (THIO), paracetamol (PAR), and aceclofenac (ACF) for the bulk drugs and their combined tablet dosage form. The method involved TLC on aluminum plates precoated with silica gel using toluene:acetone:methanol:formic acid 8:2:2:1 (v/v/v/v) as mobile phase. Densitometric scanning was performed at 263 nm. The method was validated as per ICH guidelines.  $R_f$  values of  $0.13 \pm 0.03$ ,  $0.42 \pm 0.04$  and  $0.57 \pm 0.02$  were obtained for THIO, PAR and ACF respectively. Precision, accuracy and specificity were in accordance with ICH guidelines.

**Key words:** HPTLC, Densitometry, Validation, Thiocolchicoside, Paracetamol, Aceclofenac.

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