

EXPRESS ANALYSIS OF COMBINED ANTITUBERCULOSIS DRUGS USING TLC

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It was shown that optimal R_f and selectivity of ethambutol, rifampicin, isoniazid and pyrazinamide using TLC plates "Sorbfil" could be reached in following mobile phase: ammonia solution 25% – acetone – methanol – ethylacetate (1:1:1:7). Rifampicin spots due to its natural colour could be detected without preliminary treatment of the plates in daylight. Isoniazid and pyrazinamide spots are detected in UV light at 254 nm. Treatment with iodinum vapours is needed for the detection of ethambutol spots. The developed procedure could be used for the detection of counterfeited antituberculosis drugs.