TECHNOLOGICAL ADVANCEMENT IN SAMPLE PREPARATION

WHY insist on the SEDIPREP® Urine SEDIMENT Microscopy Test for Urine FEME ?

- BETTER SAMPLE PREPARATION

- BETTER DETECTION SENSITIVITY

- BETTER DIAGNOSTIC ACCURACY

THE PROBLEM: The TRADITIONAL gold standard Urine Sediment Centrifugation Microscopy Test

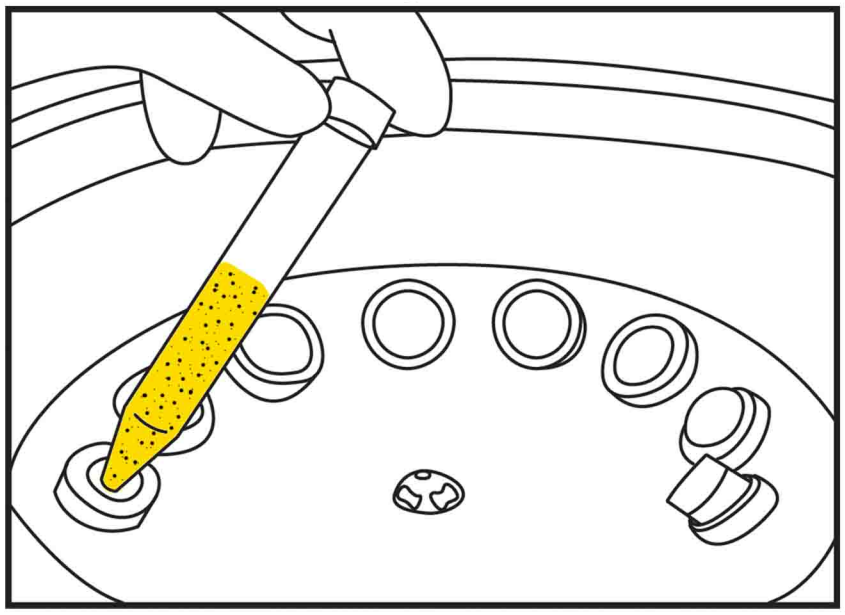
Centrifugation step with the removal of supernatant is a major tool for concentration of urine specimens, but unfortunately, it is also a major source of errors [1].

SAMPLE PREPARATION

ANALYSIS

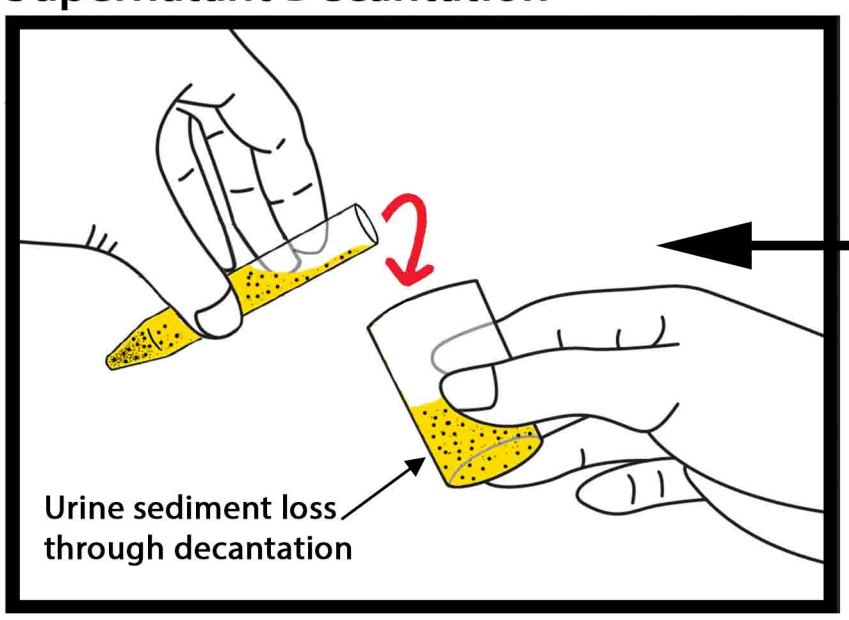
Sediment Centrifugation

1



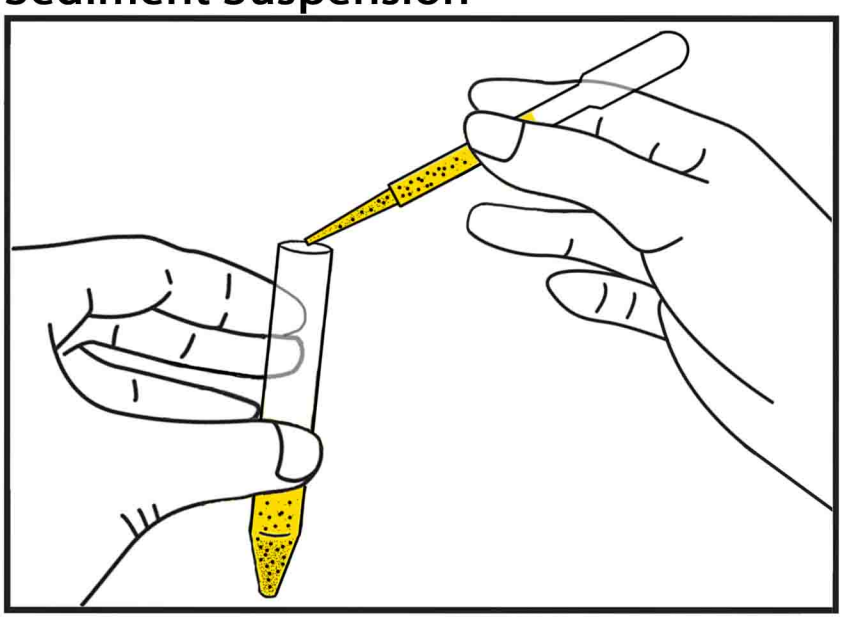
Supernatant Decantation

2



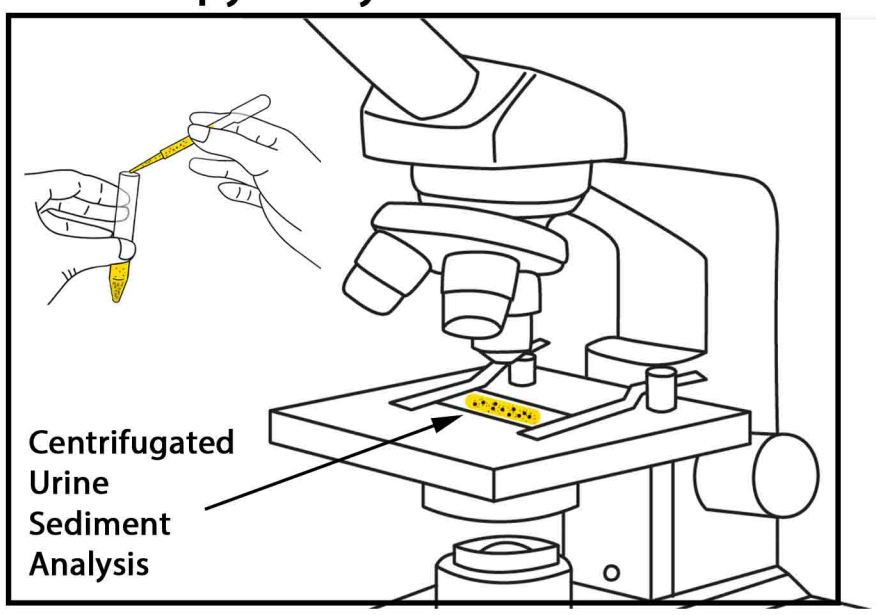
Sediment Suspension

3



Microscopy Analysis

4



Urine Sediment Microscopy Centrifugation Process, an ill-Defined Method [2], lacking standardization, and prone to errors due to variable parameters involved in the centrifugation process.

Source of error :

Up to 60% of urine sediment particles could still be suspended in the supernatant after centrifugation are being discarded [3], thus, compromising on the accuracy of the Urine Microscopy Test.

1. European Urinalysis Guidelines, Scand J Clin Lab Invest 2000; 60: 1-96

2. P. Winkel, B.E. Statland, and K. Jorgensen, Urine Microscopy, an ill-Defined Method, Clin Chem 20/4, 436-439 (1974)

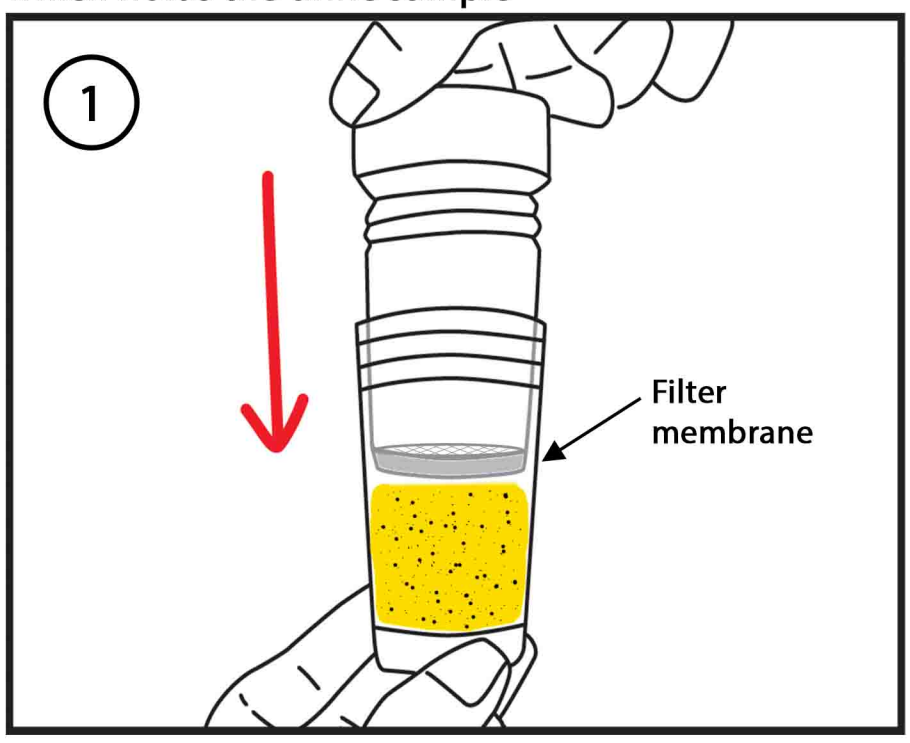
3. Tsuyoshi I. et al. Examination of remaining cells by UF-100, fully automated urine cell analyzer in the supernatant after centrifugation. Sysmex J Int 2003; 13 : 53-59

Introducing The SOLUTION SEDIPREP®- The IMPROVED gold standard Urine Sediment Microscopy Test

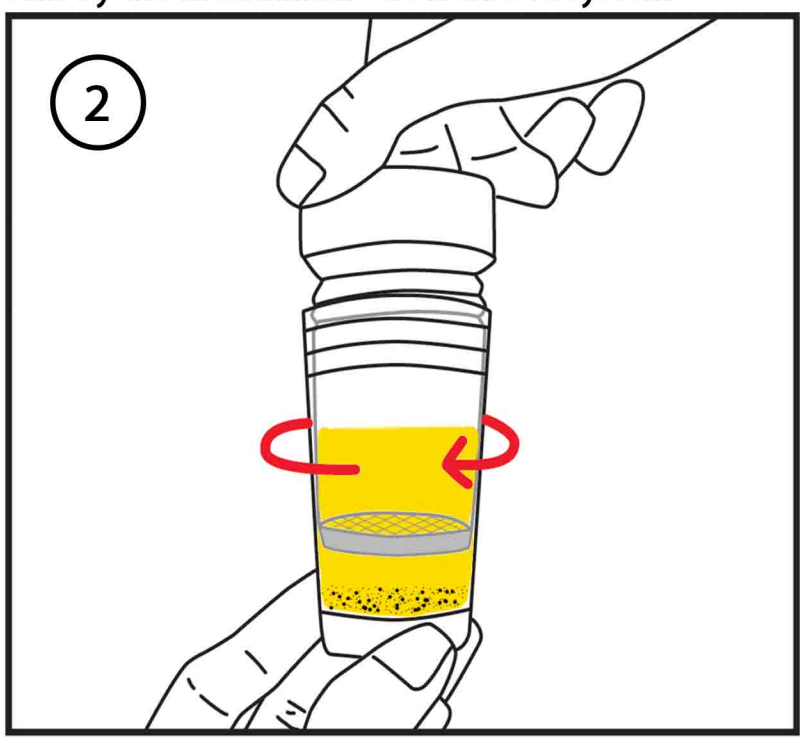
Utilizing the SEDIPREP® patented Reverse Filtration Process Technology, that enables recovery of essentially all the sediment particles existing in a defined volume of urine for microscopy analysis

SAMPLE PREPARATION

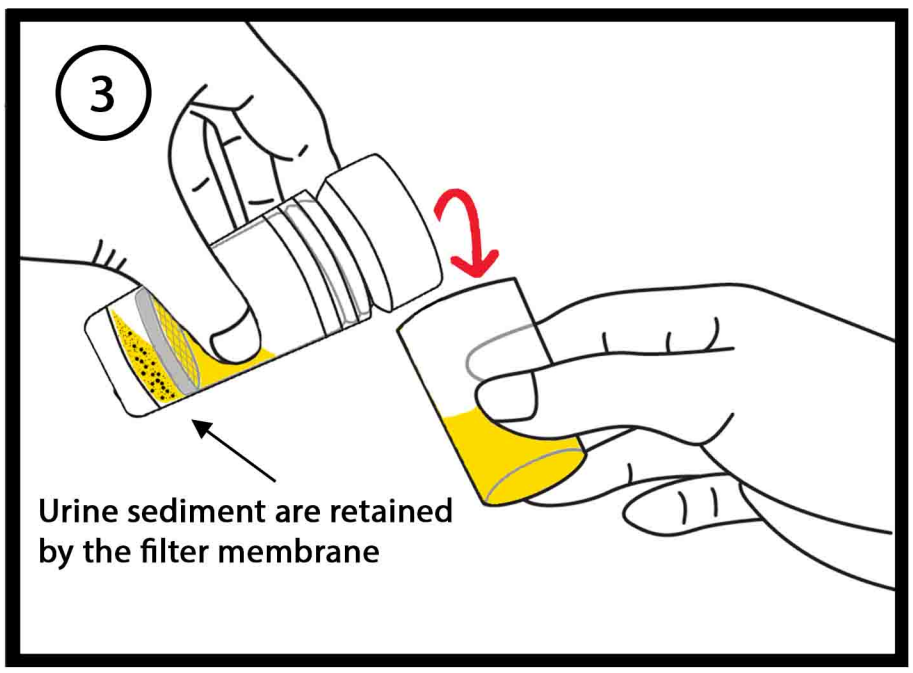
Slid Filter Unit axially into Container unit which holds the urine sample



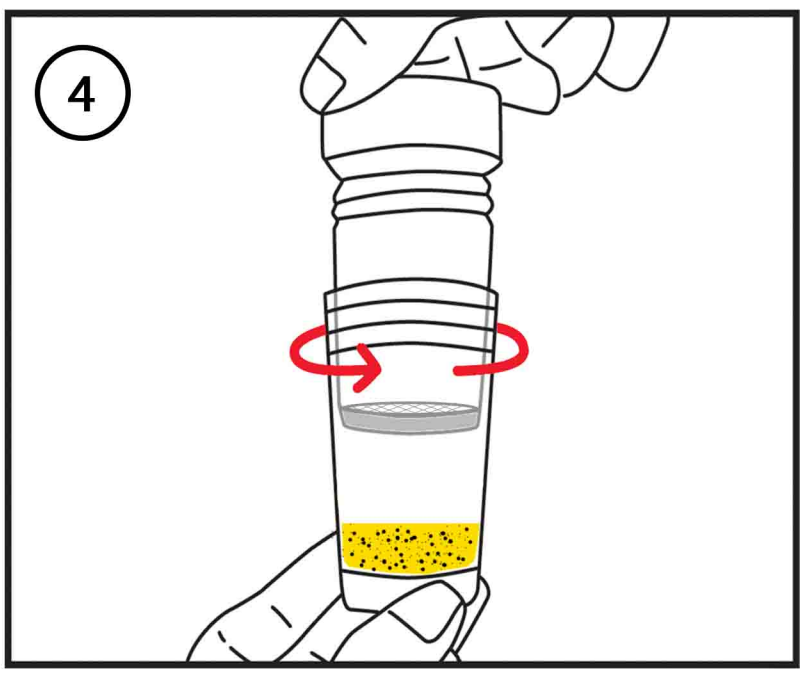
Fasten Filter Unit (clockwise) into the Container Unit by the mechanical screw thread system



Decant the filtrate (supernatant) that has been forced through the filter membrane into the Filter Unit during the fastening step

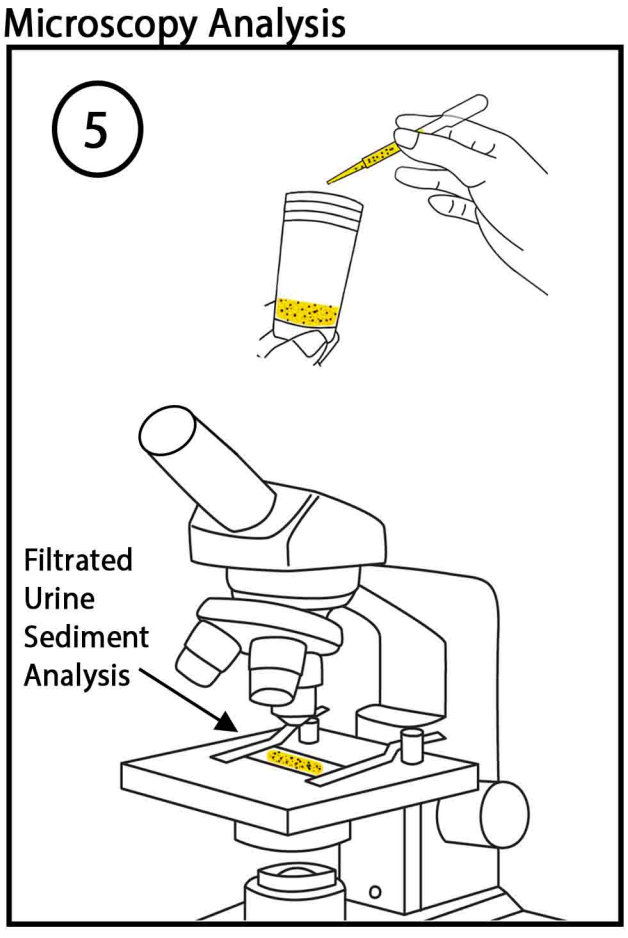


Unfasten the Filter Unit (counter-clockwise) from Container Unit. Use the concentrated urine sediment volume left in the Container Unit for analysis



ANALYSIS

Microscopy Analysis



The SEDIPREP® Urine Sediment Filtration Process is a well-Defined Standardized Method, without much variable parameters in the filtration process

Essentially 100% of the urine sediment particles are retained in the Container Unit for analysis, thus, greatly improving on the Detection Sensitivity of the Urine Microscopy Test

CLEARLY, The SEDIPREP® Urine Microscopy Test, The BETTER CHOICE for Urine FEME

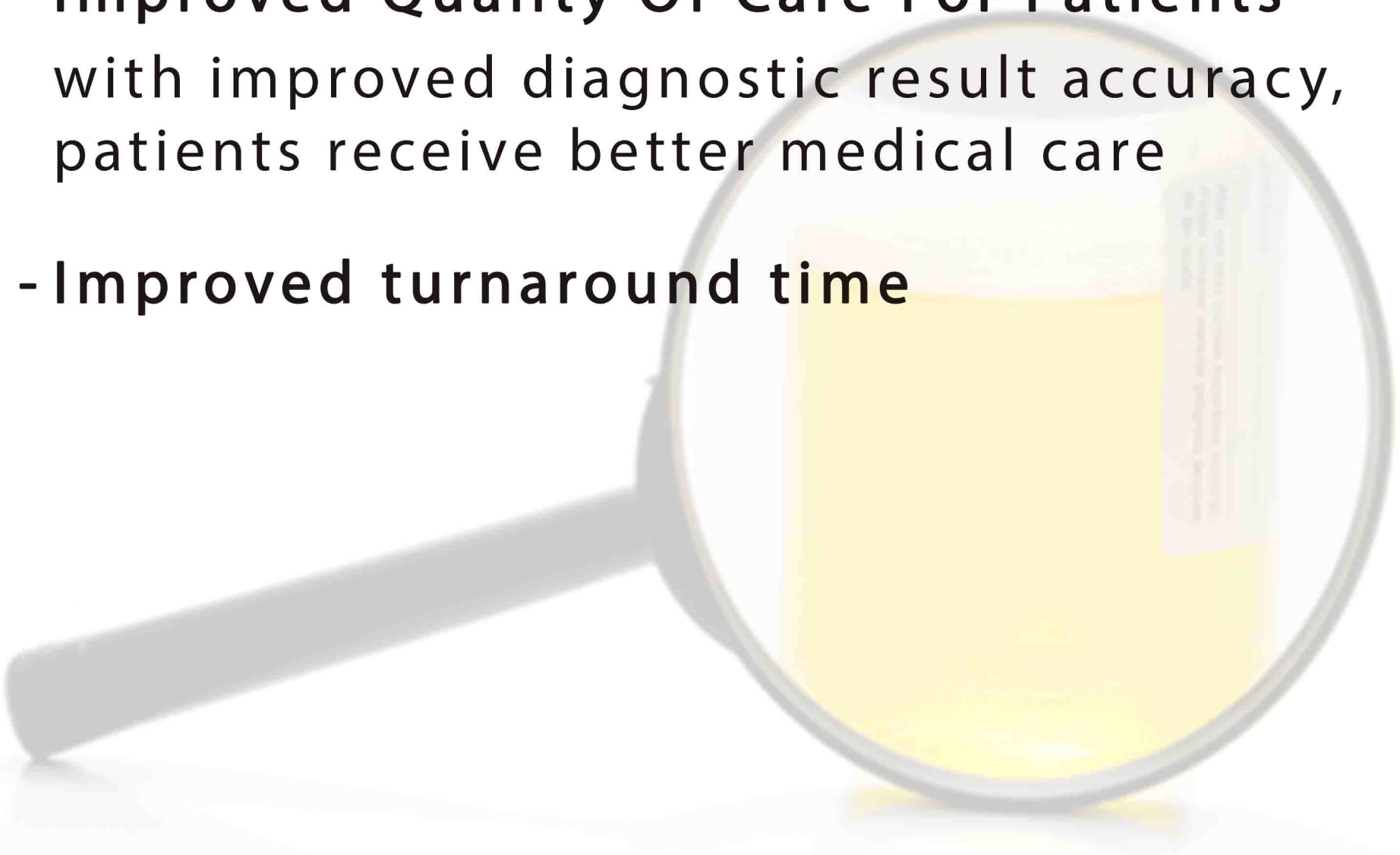
Making Urine Sediment Analysis ACCURATE

- **Improved Process Standardization**
  eliminate the laborious error-prone steps and variables of the traditional centrifugation method

- **Improved Detection Sensitivity**
  eliminate loss of urine sediment as compared with the traditional centrifugation method, retaining as much as 100% of urine sediment in sample for microscopy analysis

- **Improved Quality Of Care For Patients**
  with improved diagnostic result accuracy, patients receive better medical care

- **Improved turnaround time**



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