

FECONOMICS®

ECONOMICAL

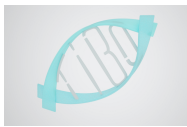
FECAL PARASITE CONCENTRATION KIT

*Fecal sample concentration
in 5 minutes
for microscopic examination*

***A new technique in Parasitology
laboratories !***

- ✓ ***High sensitivity***
- ✓ ***Practical application***
 - ***Ready-to-use***
 - ***Concentration by absorbent beads***
 - ***No need for centrifugation***
 - ***Concentration in just 3 steps***
- ✓ ***Low cost***





TRENDS IN INNOVATIVE BIOTECHNOLOGY ORGANIZATION - TiBO

Feces concentration:

Microscopic examination is the most practical, fastest and effective method in diagnosing gastrointestinal parasitic infection. To increase the sensitivity of microscopic examination, helminth eggs, protozoan cysts and trophozoites should be concentrated. Except **FECONOMICS®**, most of other concentration methods use centrifugation. Centrifugation needs a centrifuge, time and effort and furthermore it limits the number of examinable samples.

A new technique in Parasitology laboratories:

FECONOMICS® use a unique method for stool concentration. This method eliminates the centrifugation step by using special absorbent beads. These special beads possess smaller pores than trophozoites and parasite eggs. Excessing liquid is absorbed by the special beads and parasites are concentrated in a smaller volume.

High sensitivity:

Kurt et al. reported superior results with **FECONOMICS®** compared to a conventional method using centrifugation. *

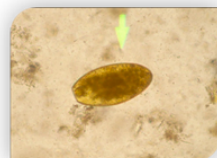
Trophozoite detection sensitivity: **FECONOMICS®** do not alter the morphological structure of trophozoites of like giardia and dientamoeba whereas these parasites may burst by the pressure created by centrifugation, which reduces the sensitivity of detection.

Identified Parasite	FEAC	FECONOMICS®
<i>Blastocystis</i>	39	54
<i>Giardia lamblia</i>	32	32
<i>Entamoeba histolytica/dispar</i>	1	3
<i>Dientamoeba fragilis</i>	-	1
<i>Iodamoeba bütschlii</i>	5	4
<i>Chilomastix mesnili</i>	2	9
<i>Retortomonas intestinalis</i>	1	2
<i>Enteromonas hominis</i>	-	2
<i>Endolimax nana</i>	1	2
<i>Entamoeba coli</i>	3	3
<i>Entamoeba hartmanii</i>	-	1
<i>Hymenolepis nana</i>	1	2
<i>Taenia saginata</i>	1	1

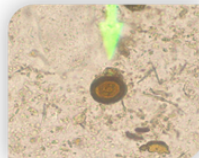
READY TO USE !



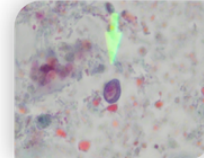
Hymenolepis nana



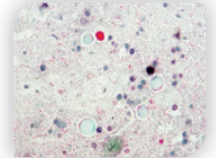
Fasciola hepatica



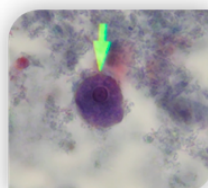
Taenia saginata



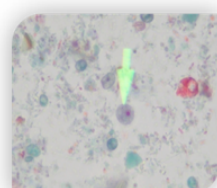
Chilomastix mesnili



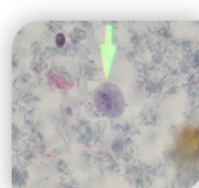
Blastocystis sp.



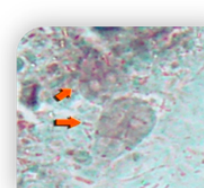
Entamoeba histolytica / dispar



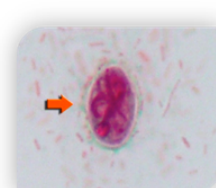
Endolimax nana



Dientamoeba fragilis



Giardia lamblia trophozoite



Giardia lamblia cyst

Kurt O., Akyar I., Gorgun S., Kocagoz T., Ozbilgin A. Feconomics, a simple, novel, and fast technique for stool concentration in parasitology laboratory. Abstract 21st ECCMID, 27th ICC, Milano, Italy, May 7-10, 2011.