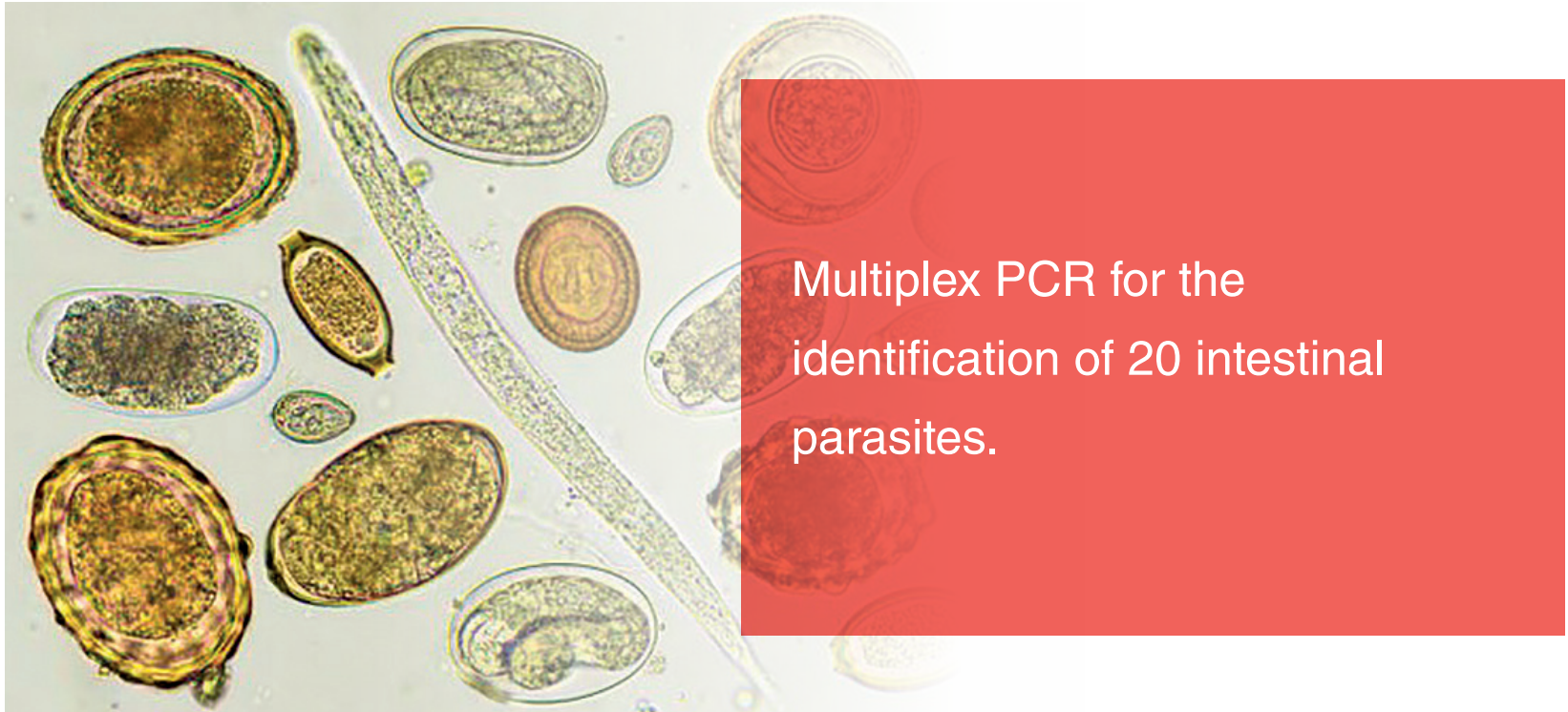


BIOSYNEX AMPLIQUICK® FECAL PARASITOLOGY PARASITOLOGY



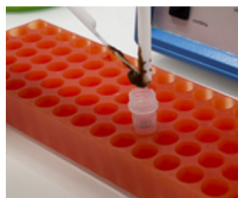
Multiplex PCR for the
identification of 20 intestinal
parasites.

- *Ready-to-use kits dedicated to pre-analytical and analytical steps.*
 - Sample Pretreatment and grinding Kit
 - Gene amplification kits: Panel of 10 Helminths
Panel of 10 Protozoa
- *Sensitivity and speed of result delivery.*
 - Automated mechanical pretreatment in less than 10 minutes for improved detection sensitivity
- *Internal quality controls.*
 - Exogenous internal amplification control and procedural control included
- *Open kits.*
 - On extraction systems and thermal cyclers

PROCEDURE

• *Sample pre-treatment in 7 minutes.*

- BIOSYNEX AMPLIQUICK[®] Fecal Pretreatment.
Lysis and samples grinding.



With the calibrated spoon, collect and deposit 200mg of samples in the grinding tube. Add procedural control.



Incubate 5 minutes at 95 C.



Carry out the mechanical grinding of the sample: cycle of 1 minute 10 seconds.



Centrifuge 1 minute at 11 000 g.

• *DNA extraction.*

- *Open extraction.*

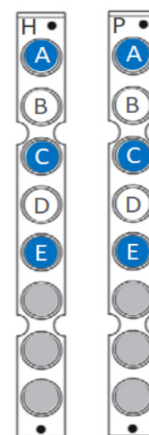


Collect the supernatant and proceed to a DNA extraction with a commercial extraction kit.

• *Gene Amplification by real-time PCR.*

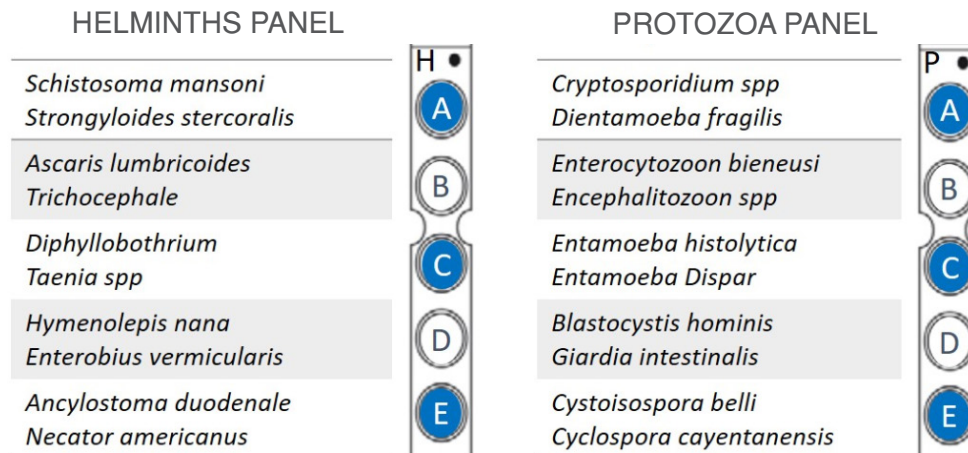
- BIOSYNEX AMPLIQUICK[®] Helminths
PCR detection kit for a panel of 10 Helminths.
- BIOSYNEX AMPLIQUICK[®] Protozoa
PCR detection kit for a panel of 10 Protozoa.

- 1 Ready-to-use strip
- Wells A to D = 2 parameters (FAM & HEX) +
Intern Control (Cy5)
- Well E= 2 parameters (FAM & HEX) +
Procedural Control (Cy5)



TARGET

- A large panel of 20 intestinal parasites.



Up to 20 parameters amplified and detected simultaneously.

- Gene amplification by real-time PCR.

- Benefit of grinding

An internal comparative study of the performances of the amplification kits BIOSYNEX AMPLIQUICK® with and without grinding provides the results below:

Qualification by microscopy staining	CT value without grinding	CT value with grinding
<i>Giardia Intestinalis</i>	N/A	34.15
<i>Enterobius vermicularis</i>	22.75	20.81
<i>Enterocytozoon bieneusi</i>	23.25	20.10
<i>Schistosoma mansoni</i>	33.1	25.18
<i>Taenia saginata</i>	35.53	21.43
<i>Blastocystis spp</i>	26.45	25.55
<i>Trichuris trichiura</i>	N/A	30.26
<i>Hymenolepis nana</i>	N/A	36.67

Mechanical grinding of specimens provides better sensitivity detection as described in the literature.

- Performances

An internal Biosynex study shows that the performance of our Amplification kits are very good and provide early Ct values.

Qualification	Pretreatment and grinding	CT value with BIOSYNEX kit	CT Value with competitor kit
<i>Cryptosporidium hominis</i>	yes	22.95	28.1
<i>Cryptosporidium parvum</i>	yes	36.75	40.67
<i>Dientamoeba fragilis</i>	yes	31.67	36.01

Our kits are being evaluated in two reference hospital laboratories in parasitology.

READY-TO-USE SOLUTION

BIOSYNEX AMPLIQUICK® Fecal Parasitology* kits are designed to facilitate the pre-analytical steps for quick and reliable results.

A complete solution in 3 ready-to-use kits:

SAMPLE PRE-TREATMENT KIT

Sample grinding



MATERIALS PROVIDED

- Tubes of lysis solution + grinding balls
- Calibrated sampling spoons
- Spatulas

MATERIALS AVAILABLE

- 24 position grinder

AMPLIFICATION KITS:

- PANEL HELMINTHS
- PROTOZOA PANEL

Gene amplification with two IQCs
Procedural and cellular control.



MATERIALS INCLUDED

- Break-apart 96-well plates pre-filled with the master mix and ready to use
- Negative and positive controls included

*Products in development, available soon.

OTHER PRODUCT IN THE AMPLIQUICK® RANGE

BIOSYNEX AMPLIQUICK® Malaria



Tool for detection by multiplex PCR of Plasmodium spp (5 species) and specific differentiation of *P. falciparum*.

Simple and convenient all-in-one kit without extraction/purification to provide fast results.

Specific detection of *P. falciparum*:

- Detection of the PAN sequence of Plasmodium spp (*P. falciparum*, *P. vivax*, *P. malariae*, *P. ovale*, *P. knowlesi*) and specifically of the FALCI sequence of *P. falciparum*

Very sensitive, detection limit:

- DNA extracted: 0.05 parasite/ μ L
- Whole blood sample: 0.3 parasite/ μ L
- Specificity: 100%



96 tests



1h10



Ready-to-use



Parasitic Genes



-20°C

REFERENCE

• Réf. 3120019 - BIOSYNEX AMPLIQUICK® Malaria

Fabricant : Biosynex SA (France)

Manufacturer: BIOSYNEX SA

In vitro diagnostic medical devices.
Carefully read the instructions of use.

FLY_AmpliquickFecalParasitology_EN_V01202207R01

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