

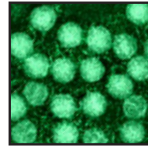
FilmArray Meningitis / Encephalitis Panel

1 Test. 17 Targets. All in about an hour.



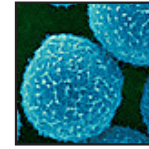
Bacteria

Escherichia coli
Haemophilus influenzae
Listeria monocytogenes
Neisseria meningitidis
Pseudomonas aeruginosa
Staphylococcus aureus
Streptococcus agalactiae
Streptococcus pneumoniae



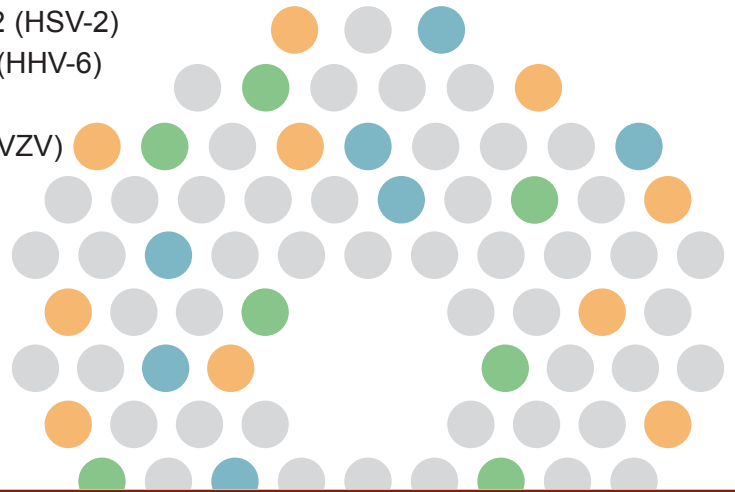
Viruses

Cytomegalovirus (CMV)
Enterovirus
Epstein-Barr virus (EBV)
Herpes simplex virus 1 (HSV-1)
Herpes simplex virus 2 (HSV-2)
Human herpesvirus 6 (HHV-6)
Parechovirus
Varicella-zoster virus (VZV)



Fungus

Cryptococcus neoformans/gattii



17
Targets

Comprehensive Panel of 17 Targets

The FilmArray Meningitis / Encephalitis (ME) Panel tests cerebrospinal fluid (CSF) for a variety of pathogens including bacteria, viruses, and fungi. The integrated FilmArray system yields sample to results in about an hour, with only 2 minutes of hands-on time.

- **Simple:** 2 minutes of hands-on time
- **Easy:** No precise measuring or pipetting required
- **Fast:** Turnaround time of about 1 hour
- **Comprehensive:** 17 bacterial, viral, and fungal targets

Currently in Development



FilmArray[®]

The fastest way to better results.

If you are interested in a free, no obligation demonstration of the FilmArray in your laboratory visit www.filmarray.com or call 1-800-735-6544.

**FREE
Demo!**

Panel Specifications

Sample Requirements	Performance Parameters
<ul style="list-style-type: none"> Sample Type: Cerebrospinal Fluid (CSF) 	<ul style="list-style-type: none"> Hands-on time: Approx. 2 minutes
<ul style="list-style-type: none"> Sample Volume \leq 200 μL 	<ul style="list-style-type: none"> Run turnaround time: About 1 hour

Meningitis and Encephalitis

Infection of the meninges surrounding the brain and spinal cord (meningitis), or of the brain (encephalitis) can have high mortality and morbidity rates depending on the source of infection. Acute bacterial meningitis is a rare, but potentially fatal disease where symptoms can appear suddenly and escalate quickly to brain damage, hearing and/or speech loss, blindness, or even death. Initial treatment of patients suspected of acute meningitis depends on early recognition, rapid diagnostic evaluation, and emergent antimicrobial and adjunctive therapy¹. Conversely, viral meningitis is more common, but typically mild and non-lethal. However, clinical diagnosis of the meningitis syndrome is difficult since their signs and symptoms are virtually indistinguishable.

1. Tunkel AR. Bacterial Meningitis. Philadelphia: Lippincott Williams & Wilkins, 2001.

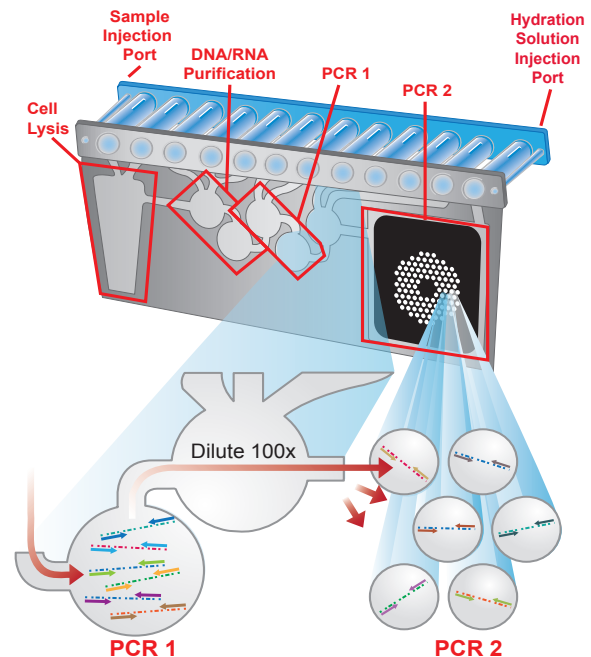
How Does the FilmArray Work?

The FilmArray reagent pouch stores all the necessary reagents for sample preparation, reverse transcription, PCR and detection in a freeze-dried format. Prior to a run, the user injects hydration solution and the sample/buffer mix into the pouch. The FilmArray instrument does the rest.

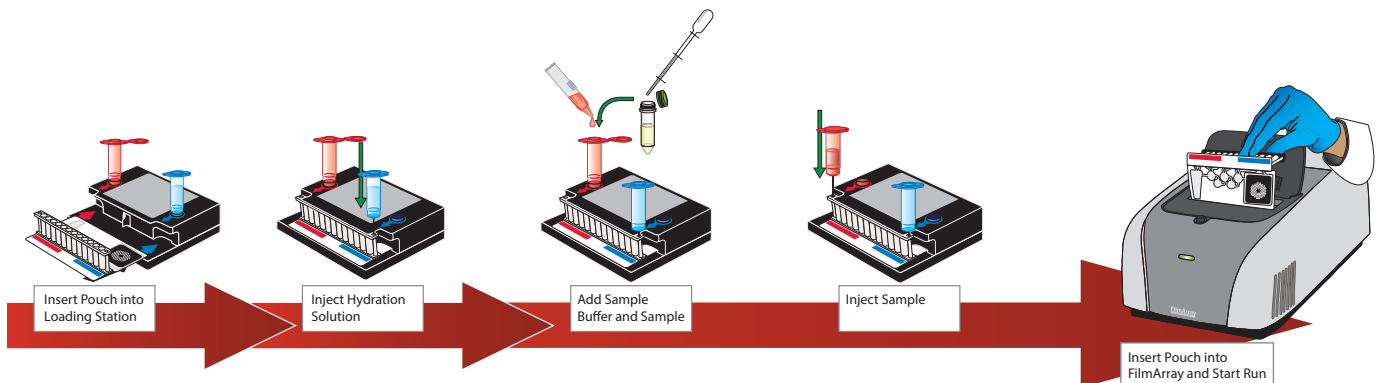
First, the FilmArray extracts and purifies all nucleic acids from the sample. Next, the FilmArray performs a nested multiplex PCR. During the first-stage PCR (PCR 1), the FilmArray performs a single, large volume, massively multiplexed reaction. Last, individual singleplex second-stage PCR (PCR 2) reactions detect the products from the first stage PCR.

Using endpoint melting curve data, the FilmArray software automatically generates a result for each target in a comprehensive report.

The FilmArray Pouch



Setting up the FilmArray is Easy – Sample in, Results out



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